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Head First Python **Head First Python Head First Programming** *Head First Python Head First Python Head First Learn to Code Beginning Programming with Python For Dummies Introduction to Python Programming for Business and Social Science Applications* **Introducing Data Science Head First Programming Python for Programmers Head First C Practical Programming Python Crash Course Python Python Scripting for Arcgis Pro Think Python Head First JavaScript Lean Python Python in easy steps, 2nd Edition** Head First JavaScript Programming **Head First Statistics Math for Programmers** *Head First Java R for Data Science* **Head First Networking** Python Data Science Handbook **Head First Go Hackers & Painters Practical Programming Python for Data Science For Dummies** *Code Like a Girl: Rad Tech Projects and Practical Tips* **The Effect Python Scripting for ArcGIS Mathematics for Machine Learning Python Crash Course, 2nd Edition** *Learning Python Python for Everybody Forecasting: principles and practice* Head First SQL

the author examines issues such as the rightness of web based applications the

programming language renaissance spam filtering the open source movement internet startups and more he also tells important stories about the kinds of people behind technical innovations revealing their character and their craft want to learn the python language without slogging your way through how to manuals with head first python you ll quickly grasp python s fundamentals working with the built in data structures and functions then you ll move on to building your very own webapp exploring database management exception handling and data wrangling if you re intrigued by what you can do with context managers decorators comprehensions and generators it s all here this third edition is a complete learning experience that will help you become a bonafide python programmer in no time what will you learn from this book this brain friendly guide teaches you everything from javascript language fundamentals to advanced topics including objects functions and the browser s document object model you won t just be reading you ll be playing games solving puzzles pondering mysteries and interacting with javascript in ways you never imagined and you ll write real code lots of it so you can start building your own web applications prepare

to open your mind as you learn and nail key topics including the inner details of javascript how javascript works with the browser the secrets of javascript types using arrays the power of functions how to work with objects making use of prototypes understanding closures writing and testing applications what s so special about this book we think your time is too valuable to waste struggling with new concepts using the latest research in cognitive science and learning theory to craft a multi sensory learning experience head first javascript programming uses a visually rich format designed for the way your brain works not a text heavy approach that puts you to sleep this book replaces head first javascript which is now out of print summary introducing data science teaches you how to accomplish the fundamental tasks that occupy data scientists using the python language and common python libraries you ll experience firsthand the challenges of dealing with data at scale and gain a solid foundation in data science purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications about the technology many companies need developers with data science skills to work on projects ranging from social media marketing to machine

learning discovering what you need to learn to begin a career as a data scientist can seem bewildering this book is designed to help you get started about the book introducing data science introducing data science explains vital data science concepts and teaches you how to accomplish the fundamental tasks that occupy data scientists you ll explore data visualization graph databases the use of nosql and the data science process you ll use the python language and common python libraries as you experience firsthand the challenges of dealing with data at scale discover how python allows you to gain insights from data sets so big that they need to be stored on multiple machines or from data moving so quickly that no single machine can handle it this book gives you hands on experience with the most popular python data science libraries scikit learn and statsmodels after reading this book you ll have the solid foundation you need to start a career in data science what s inside handling large data introduction to machine learning using python to work with data writing data science algorithms about the reader this book assumes you re comfortable reading code in python or a similar language such as c ruby or javascript no prior experience with data science is required about the authors davy cielen arno d b meysman and mohamed ali are the founders and managing partners of optimately and maiton where they focus on developing data science

projects and solutions in various sectors table of contents data science in a big data world the data science process machine learning handling large data on a single computer first steps in big data join the nosql movement the rise of graph databases text mining and text analytics data visualization to the end user are you keen to add python as a programming skill learn quickly and have some fun at the same time with the second edition of head first python this updated book takes you beyond typical how to manuals with engaging images puzzles stories and quizzes that are proven to stimulate learning and retention you ll not only learn how python differs from other programming languages you ll also learn how to be a great python programmer learn how to work effectively with data and persistence in python exploit python s iteration technologies letting you loop like crazy do more with less code by creating your own decorators and context managers build python enabled web servers and web applications based on the latest research in cognitive science and learning theory head first python uses a visually rich format to engage your mind rather than a text heavy approach that puts you to sleep why waste your time struggling with new concepts this multi sensory learning experience is designed for the way your brain really works the effect an introduction to research design and causality is about research design specifically concerning research that uses

observational data to make a causal inference it is separated into two halves each with different approaches to that subject the first half goes through the concepts of causality with very little in the way of estimation it introduces the concept of identification thoroughly and clearly and discusses it as a process of trying to isolate variation that has a causal interpretation subjects include heavy emphasis on data generating processes and causal diagrams concepts are demonstrated with a heavy emphasis on graphical intuition and the question of what we do to data when we add a control variable what does that actually do key features extensive code examples in r stata and python chapters on overlooked topics in econometrics classes heterogeneous treatment effects simulation and power analysis new cutting edge methods and uncomfortable ignored assumptions an easy to read conversational tone up to date coverage of methods with fast moving literatures like difference in differences learn only the essential aspects of python without cluttering up your mind with features you may never use this compact book is not a best way to write code type of book rather the author goes over his most used functions which are all you need to know as a beginner and some way beyond lean python takes 58 python methods and functions and whittles them down to 15 as author paul gerrard says i haven t found a need for the rest what you ll learn discover lean python and

how to learn just enough to build useful tools use python objects program structure i o modules and more handle errors and exceptions test your code access the do searching and persist data who this book is for this book is aimed at three categories of reader the experienced programmer if you already know a programming language this book gives you a shortcut to understanding the python language and some of its design philosophy you work in it and need a programming primer you might be a tester who needs to have more informed technical discussions with programmers working through the examples will help you to appreciate the challenge of good programming first timer you want a first book on programming that you can assimilate quickly to help you decide whether programming is for you a comprehensive introduction to statistics that teaches the fundamentals with real life scenarios and covers histograms quartiles probability bayes theorem predictions approximations random samples and related topics frustrated with networking books so chock full of acronyms that your brain goes into sleep mode head first networking s unique visually rich format provides a task based approach to computer networking that makes it easy to get your brain engaged you ll learn the concepts by tying them to on the job tasks blending practice and theory in a way that only head first can with this book you ll learn skills through a variety of genuine scenarios from fixing a

malfunctioning office network to planning a network for a high technology haunted house you ll learn exactly what you need to know rather than a laundry list of acronyms and diagrams this book will help you master the functionality protocols and packets that make up real world networking learn networking concepts through examples in the field tackle tasks such as planning and diagramming networks running cables and configuring network devices such as routers and switches monitor networks for performance and problems and learn troubleshooting techniques practice what you ve learned with nearly one hundred exercises questions sample problems and projects head first s popular format is proven to stimulate learning and retention by engaging you with images puzzles stories and more whether you re a network professional with a ccna ccnp or a student taking your first college networking course head first networking will help you become a network guru looking for a reliable way to learn how to program on your own without being overwhelmed by confusing concepts head first programming introduces the core concepts of writing computer programs variables decisions loops functions and objects which apply regardless of the programming language this book offers concrete examples and exercises in the dynamic and versatile python language to demonstrate and reinforce these concepts want to learn the python language without slogging your way

through how to manuals with head first python you ll quickly grasp python s fundamentals working with the built in data structures and functions then you ll move on to building your very own webapp exploring database management exception handling and data wrangling if you re intrigued by what you can do with context managers decorators comprehensions and generators it s all here this second edition is a complete learning experience that will help you become a bonafide python programmer in no time why does this book look so different based on the latest research in cognitive science and learning theory head first python uses a visually rich format to engage your mind rather than a text heavy approach that puts you to sleep why waste your time struggling with new concepts this multi sensory learning experience is designed for the way your brain really works if you want to learn how to program working with python is an excellent way to start this hands on guide takes you through the language a step at a time beginning with basic programming concepts before moving on to functions recursion data structures and object oriented design this second edition and its supporting code have been updated for python 3 through exercises in each chapter you ll try out programming concepts as you learn them think python is ideal for students at the high school or college level as well as self learners home schooled students and professionals who

need to learn programming basics beginners just getting their feet wet will learn how to start with python in a browser start with the basics including language syntax and semantics get a clear definition of each programming concept learn about values variables statements functions and data structures in a logical progression discover how to work with files and databases understand objects methods and object oriented programming use debugging techniques to fix syntax runtime and semantic errors explore interface design data structures and gui based programs through case studies previous edition published as by jennifer campbell et al 2009 python scripting for arcgis pro is the definitive easy to follow guide to writing useful python code with spatial data in arcgis pro whether you re new to programming or not learn key topics such as language basics pointers and pointer arithmetic dynamic memory management multithreading and network programming learn how to use the compiler the make tool and the archiver learn how to use r to turn raw data into insight knowledge and understanding this book introduces you to r studio and the tidyverse a collection of r packages designed to work together to make data science fast fluent and fun suitable for readers with no previous programming experience r for data science is designed to get you doing data science as quickly as possible authors hadley wickham and garrett grolemund guide you through the steps of importing

wrangling exploring and modeling your data and communicating the results you ll get a complete big picture understanding of the data science cycle along with basic tools you need to manage the details each section of the book is paired with exercises to help you practice what you ve learned along the way you ll learn how to wrangle transform your datasets into a form convenient for analysis program learn powerful r tools for solving data problems with greater clarity and ease explore examine your data generate hypotheses and quickly test them model provide a low dimensional summary that captures true signals in your dataset communicate learn r markdown for integrating prose code and results forecasting is required in many situations stocking an inventory may require forecasts of demand months in advance telecommunication routing requires traffic forecasts a few minutes ahead whatever the circumstances or time horizons involved forecasting is an important aid in effective and efficient planning this textbook provides a comprehensive introduction to forecasting methods and presents enough information about each method for readers to use them sensibly the fundamental mathematical tools needed to understand machine learning include linear algebra analytic geometry matrix decompositions vector calculus optimization probability and statistics these topics are traditionally taught

in disparate courses making it hard for data science or computer science students or professionals to efficiently learn the mathematics this self contained textbook bridges the gap between mathematical and machine learning texts introducing the mathematical concepts with a minimum of prerequisites it uses these concepts to derive four central machine learning methods linear regression principal component analysis gaussian mixture models and support vector machines for students and others with a mathematical background these derivations provide a starting point to machine learning texts for those learning the mathematics for the first time the methods help build intuition and practical experience with applying mathematical concepts every chapter includes worked examples and exercises to test understanding programming tutorials are offered on the book s web site the easy way to learn programming fundamentals with python python is a remarkably powerful and dynamic programming language that s used in a wide variety of application domains some of its key distinguishing features include a very clear readable syntax strong introspection capabilities intuitive object orientation and natural expression of procedural code plus python features full modularity supporting hierarchical packages exception based error handling and modules easily written in c c java r or net languages such as c in addition

python supports a number of coding styles that include functional imperative object oriented and procedural due to its ease of use and flexibility python is constantly growing in popularity and now you can wear your programming hat with pride and join the ranks of the pros with the help of this guide inside expert author john paul mueller gives a complete step by step overview of all there is to know about python from performing common and advanced tasks to collecting data to interacting with package this book covers it all use python to create and run your first application find out how to troubleshoot and fix errors learn to work with anaconda and use magic functions benefit from completely updated and revised information since the last edition if you ve never used python or are new to programming in general beginning programming with python for dummies is a helpful resource that will set you up for success python crash course is a fast paced thorough introduction to python that will have you writing programs solving problems and making things that work in no time in the first half of the book you ll learn about basic programming concepts such as lists dictionaries classes and loops and practice writing clean and readable code with exercises for each topic you ll also learn how to make your programs interactive and how to test your code safely before adding it to a project in the second half of the book you ll put your new knowledge into practice with

three substantial projects a space invaders inspired arcade game data visualizations with python s super handy libraries and a simple web app you can deploy online as you work through python crash course you ll learn how to use powerful python libraries and tools including matplotlib numpy and pygal make 2d games that respond to keypresses and mouse clicks and that grow more difficult as the game progresses work with data to generate interactive visualizations create and customize apps and deploy them safely online deal with mistakes and errors so you can solve your own programming problems if you ve been thinking seriously about digging into programming python crash course will get you up to speed and have you writing real programs fast why wait any longer start your engines and code uses python 2 and 3 in math for programmers you ll explore important mathematical concepts through hands on coding filled with graphics and more than 300 exercises and mini projects this book unlocks the door to interesting and lucrative careers in some of today s hottest fields as you tackle the basics of linear algebra calculus and machine learning you ll master the key python libraries used to turn them into real world software applications summary to score a job in data science machine learning computer graphics and cryptography you need to bring strong math skills to the party math for programmers teaches the math you need for

these hot careers concentrating on what you need to know as a developer filled with lots of helpful graphics and more than 200 exercises and mini projects this book unlocks the door to interesting and lucrative careers in some of today s hottest programming fields purchase of the print book includes a free ebook in pdf kindle and epub formats from manning publications about the technology skip the mathematical jargon this one of a kind book uses python to teach the math you need to build games simulations 3d graphics and machine learning algorithms discover how algebra and calculus come alive when you see them in code about the book in math for programmers you ll explore important mathematical concepts through hands on coding filled with graphics and more than 300 exercises and mini projects this book unlocks the door to interesting and lucrative careers in some of today s hottest fields as you tackle the basics of linear algebra calculus and machine learning you ll master the key python libraries used to turn them into real world software applications what s inside vector geometry for computer graphics matrices and linear transformations core concepts from calculus simulation and optimization image and audio processing machine learning algorithms for regression and classification about the reader for programmers with basic skills in algebra about the author paul orland is a programmer software

entrepreneur and math enthusiast he is co founder of tachyus a start up building predictive analytics software for the energy industry you can find him online at paulorland.com

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classroom tested by tens of thousands of students this new edition of the bestselling intro to programming book is for anyone who wants to understand computer science learn about design algorithms testing and debugging discover the fundamentals of programming with python 3 6 a language that s used in millions of devices write programs to solve real world problems and come away with everything you need to produce quality code this edition has been updated to use the new language features in python 3 6

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essentials of python programming it highlights the important concepts that every beginner to intermediate programmer should know and presents relevant and practical examples it aims to provide a solid foundation for people who want to start a career in python programming this book is a must for programming enthusiasts or students who need to learn and understand python easily quickly and methodically a few advanced topics were added to satisfy long term python users these topics may or may not be suitable for beginners depending on their situation here is a preview of what this book will offer

what is python
what software you need to code and run python programs
what are variables
what mathematical operators are there in python
what are the common data types in python
what are lists and tuples
how to format strings
how to accept user inputs and display outputs
how to make decisions with if statements
how to control the flow of program with loops
how to handle errors and exceptions
what are functions and modules
how to define your own functions and modules
how to work with external files
the manipulation of various python programming softwares
interactions between the user and computer using python
method to develop your first software and beyond including in depth data manipulation
the future prospects of learning python
advanced topics include object oriented programming
regular expressions
managing parameters from the command

line processing
comma separated data
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python in easy steps 2nd edition instructs you how to program in the powerful python language giving complete examples that illustrate each aspect with colorized source code

python in easy steps 2nd edition begins by explaining how to install the free python interpreter so you can quickly begin to create your own executable programs by copying the book s examples it demonstrates all the python language basics before moving on to provide examples of object oriented programming oop and cgi scripting to handle web form data the book concludes by demonstrating how you can use your acquired knowledge to create and deploy graphical windowed applications

python in easy steps 2nd edition makes no assumption you have previous knowledge of any programming language so it s ideal for the newcomer to computer programming it has an easy to follow style that will appeal to programmers moving from another programming language and to the student who is studying python programming at school or college and to those seeking a career in computing who need a fundamental understanding of computer programming

the python 3 x language is under active development so frequent new releases are made available as small improvements are added to the language and python in easy steps 2nd edition features the very latest versions of python

at the time of publication python development is one of evolution rather than revolution so the examples provided in the book can be used in subsequent releases simply download the latest version of python then follow the easy steps python is the language used to program the raspberry pi covered by raspberry pi in easy steps and raspberry pi 3 in easy steps this second edition is updated to cover python 3.10 what will you learn from this book it's no secret the world around you is becoming more connected more configurable more programmable more computational you can remain a passive participant or you can learn to code with head first learn to code you'll learn how to think computationally and how to write code to make your computer mobile device or anything with a cpu do things for you using the python programming language you'll learn step by step the core concepts of programming as well as many fundamental topics from computer science such as data structures storage abstraction recursion and modularity why does this book look so different based on the latest research in cognitive science and learning theory head first learn to code uses a visually rich format to engage your mind rather than a text heavy approach that puts you to sleep why waste your time struggling with new concepts this multi sensory learning experience is designed for the way your brain really works python for everybody is designed to introduce students

to programming and software development through the lens of exploring data you can think of the python programming language as your tool to solve data problems that are beyond the capability of a spreadsheet python is an easy to use and easy to learn programming language that is freely available on macintosh windows or linux computers so once you learn python you can use it for the rest of your career without needing to purchase any software this book uses the python 3 language the earlier python 2 version of this book is titled python for informatics exploring information there are free downloadable electronic copies of this book in various formats and supporting materials for the book at pythonlearn.com the course materials are available to you under a creative commons license so you can adapt them to teach your own python course what will you learn from this book go makes it easy to build software that's simple reliable and efficient and this book makes it easy for programmers like you to get started googledesigned go for high performance networking and multiprocessing but like python and javascript the language is easy to read and use with this practical hands on guide you'll learn how to write go code using clear examples that demonstrate the language in action best of all you'll understand the conventions and techniques that employers want entry level go developers to know why does this book look so different based on the

latest research in cognitive science and learning theory headfirst go uses a visually rich format to engage your mind rather than a text heavy approach that puts you to sleep why waste your time struggling with new concepts this multisensory learning experience is designed for the way your brain really works would you like to gather big datasets analyze them and visualize the results all in one program if this describes you then introduction to python programming for business and social science applications is the book for you authors frederick kaefer and paul kaefer walk you through each step of the python package installation and analysis process with frequent exercises throughout so you can immediately try out the functions you've learned written in straightforward language for those with no programming background this book will teach you how to use python for your research and data analysis instead of teaching you the principles and practices of programming as a whole this application oriented text focuses on only what you need to know to research and answer social science questions the text features two types of examples one set from the general social survey and one set from a large taxi trip dataset from a major metropolitan area to help readers understand the possibilities of working with python chapters on installing and working within a programming environment basic skills and necessary

commands will get you up and running quickly while chapters on programming logic data input and output and data frames help you establish the basic framework for conducting analyses further chapters on web scraping statistical analysis machine learning and data visualization help you apply your skills to your research more advanced information on developing graphical user interfaces guis help you create functional data products using python to inform general users of data who don't work within python first there was ibm spss then there was r and now there's python statistical software is getting more aggressive let authors frederick kaefer and paul kaefer help you tame it with introduction to python programming for business and social science applications python scripting for arcgis is a guide to help experienced users of arcgis for desktop get started with python scripting this book teaches how to write python code that works with spatial data to automate geoprocessing tasks in arcgis readers can thus learn the skill set needed to create custom tools key topics in this book include python language fundamentals automating geoprocessing tasks exploring and manipulating spatial data working with geometries and rasters map scripting debugging and error handling creating functions and classes and creating and sharing script tools the second edition of the best selling python book in the world over 1 million copies sold a fast paced no nonsense guide

to programming in python updated and thoroughly revised to reflect the latest in python code and practices python crash course is the world's best selling guide to the python programming language this fast paced thorough introduction to programming with python will have you writing programs solving problems and making things that work in no time in the first half of the book you'll learn basic programming concepts such as variables lists classes and loops and practice writing clean code with exercises for each topic you'll also learn how to make your programs interactive and test your code safely before adding it to a project in the second half you'll put your new knowledge into practice with three substantial projects a space invaders inspired arcade game a set of data visualizations with python's handy libraries and a simple web app you can deploy online as you work through the book you'll learn how to use powerful python libraries and tools including pygame matplotlib plotly and django make 2d games that respond to keypresses and mouse clicks and that increase in difficulty use data to generate interactive visualizations create and customize web apps and deploy them safely online deal with mistakes and errors so you can solve your own programming problems if you've been thinking about digging into programming python crash course will get you writing real programs fast why wait any longer start your engines and code unleash the power of

python for your data analysis projects with for dummies python is the preferred programming language for data scientists and combines the best features of matlab mathematica and r into libraries specific to data analysis and visualization python for data science for dummies shows you how to take advantage of python programming to acquire organize process and analyze large amounts of information and use basic statistics concepts to identify trends and patterns you'll get familiar with the python development environment manipulate data design compelling visualizations and solve scientific computing challenges as you work your way through this user friendly guide covers the fundamentals of python data analysis programming and statistics to help you build a solid foundation in data science concepts like probability random distributions hypothesis testing and regression models explains objects functions modules and libraries and their role in data analysis walks you through some of the most widely used libraries including numpy scipy beautifulsoup pandas and matplotlib whether you're new to data analysis or just new to python python for data science for dummies is your practical guide to getting a grip on data overload and doing interesting things with the oodles of information you uncover presents the concepts of writing computer programs covering such topics as variables loops functions data

files and arrays modular programming widgets exceptions and objects so you're ready to make the leap from writing html and css web pages to creating dynamic web applications you want to take your web skills to the next level and you're finally ready to add programmer to the resume it sounds like you're ready to learn the s hottest programming language javascript head first javascript is your ticket to going beyond copying and pasting the code from someone else's web site and writing your own interactive web pages with head first javascript you learn the basics of programming from variables to types to looping how the web browser runs your code and how you can talk to the browser with your code why you'll never have to worry about casting overloading or polymorphism when you're writing javascript code how to use the document object model to change your web pages without making your users click buttons if you've ever read a head first book you know what to expect a visually rich format designed for the way your brain works head first javascript is no exception it starts where html and css leave off and takes you through your first program into more complex programming concepts like working directly with the web browser's object model and writing code that works on all modern browsers don't be intimidated if you've never written a line of code before in typical head first style head first javascript doesn't skip steps and we're not

interested in having you cut and paste code you'll learn javascript understand it and have a blast along the way so get ready dynamic and exciting web pages are just pages away presents an instructional guide to sql which uses humor and simple images to cover such topics as the structure of relational databases simple and complex queries creating multiple tables and protecting important table data get a comprehensive in depth introduction to the core python language with this hands on book based on author mark lutz's popular training course this updated fifth edition will help you quickly write efficient high quality code with python it's an ideal way to begin whether you're new to programming or a professional developer versed in other languages complete with quizzes exercises and helpful illustrations this easy to follow self paced tutorial gets you started with both python 2.7 and 3.3 the latest releases in the 3.x and 2.x lines plus all other releases in common use today you'll also learn some advanced language features that recently have become more common in python code explore python's major built in object types such as numbers lists and dictionaries create and process objects with python statements and learn python's general syntax model use functions to avoid code redundancy and package code for reuse organize statements functions and other tools into larger components with modules dive into classes python's object oriented programming tool for

structuring code write large programs with python's exception handling model and development tools learn advanced python tools including decorators descriptors metaclasses and unicode processing for many researchers python is a first class tool mainly because of its libraries for storing manipulating and gaining insight from data several resources exist for individual pieces of this data science stack but only with the python data science handbook do you get them all ipython numpy pandas matplotlib scikit learn and other related tools working scientists and data crunchers familiar with reading and writing python code will find this comprehensive desk reference ideal for tackling day to day issues manipulating transforming and cleaning data visualizing different types of data and using data to build statistical or machine learning models quite simply this is the must have reference for scientific computing in python with this handbook you'll learn how to use ipython and jupyter provide computational environments for data scientists using python numpy includes the ndarray for efficient storage and manipulation of dense data arrays in python pandas features the dataframe for efficient storage and manipulation of labeled columnar data in python matplotlib includes capabilities for a flexible range of data visualizations in python scikit learn for efficient and clean python implementations of the

most important and established machine learning algorithms ever wished you could learn python from a book head first python is a complete learning experience for python that helps you learn the language through a unique method that goes beyond syntax and how to manuals helping you understand how to be a great python programmer you ll quickly learn the language s fundamentals then move onto persistence exception handling web development sqlite data wrangling and google app engine you ll also learn how to write mobile apps for android all thanks to the power that python gives you we think your time is too valuable to waste struggling with new concepts using the latest research in cognitive science and learning theory to craft a multi sensory learning experience head first python uses a visually rich format designed for the way your brain works not a text heavy approach that puts you to sleep the professional programmer s deitel guide to python with introductory artificial intelligence case studies written for programmers with a background in another high level language python for programmers uses hands on instruction to teach today s most compelling leading edge computing technologies and programming in python one of the world s most popular and fastest growing languages please read the table of contents diagram inside the front cover and the preface for more details in the context of 500 real world examples

ranging from individual snippets to 40 large scripts and full implementation case studies you ll use the interactive ipython interpreter with code in jupyter notebooks to quickly master the latest python coding idioms after covering python chapters 1 5 and a few key parts of chapters 6 7 you ll be able to handle significant portions of the hands on introductory ai case studies in chapters 11 16 which are loaded with cool powerful contemporary examples these include natural language processing data mining twitter for sentiment analysis cognitive computing with ibm watson tm supervised machine learning with classification and regression unsupervised machine learning with clustering computer vision through deep learning and convolutional neural networks deep learning with recurrent neural networks big data with hadoop spark tm and nosql databases the internet of things and more you ll also work directly or indirectly with cloud based services including twitter google translatetm ibm watson microsoft azure openmapquest pubnub and more features 500 hands on real world live code examples from snippets to case studies ipython code in jupyter notebooks library focused uses python standard library and data science libraries to accomplish significant tasks with minimal code rich python coverage control statements functions strings files json serialization csv exceptions procedural functional style and object oriented programming

collections lists tuples dictionaries sets numpy arrays pandas series dataframes static dynamic and interactive visualizations data experiences with real world datasets and data sources intro to data science sections ai basic stats simulation animation random variables data wrangling regression ai big data and cloud data science case studies nlp data mining twitter ibm watson tm machine learning deep learning computer vision hadoop spark tm nosql iot open source libraries numpy pandas matplotlib seaborn folium scipy nltk textblob spacy textatistic tweepy scikit learn keras and more accompanying code examples are available here ptgmedia pearsoncmg com imprint downloads informit bookreg 9780135224335 9780135224335 examples zip register your product for convenient access to downloads updates and or corrections as they become available see inside book for more information welcome to code like a girl where you ll get started on the adventure of coding with cool projects and step by step tips from the co author of the bestselling the daring book for girls coding is about creativity self expression and telling your story it s solving problems and being curious building things making the world a better place and creating a future it s about you whoever you are wherever you re at whatever you want nearly everything you encounter on a screen is made from code you see with code you can have an idea and put it into action it s your voice and your vision from

the outside tech and code may seem puzzling and mysterious but when you get through the door and past the first few beginner steps and your code starts to work it feels like magic in this book you'll learn how to code with scratch projects like making a dog walk through the park sending your friend a card and devising a full scoring game build your own computer really create your own digital fortune teller with the python language make your own smartphone gloves make light up bracelets code a motion sensor that tells you when someone enters your room and lots more learning a complex new language is no easy task especially when it's an object oriented computer programming language like java you might think the problem is your brain it seems to have a mind of its own a mind that doesn't always want to take in the dry technical stuff you're forced to study the fact is your brain craves novelty it's constantly searching scanning waiting for something unusual to happen after all that's the way it was built to help you stay alive it takes all the routine ordinary dull stuff and filters it to the background so it won't interfere with your brain's real work recording things that matter how does your brain know what matters it's like the creators of the head first approach say suppose you're out for a hike and a tiger jumps in front of you what happens in your brain neurons fire emotions crank up chemicals surge that's how your brain knows and that's how your

brain will learn java head first java combines puzzles strong visuals mysteries and soul searching interviews with famous java objects to engage you in many different ways it's fast it's fun and it's effective and despite its playful appearance head first java is serious stuff a complete introduction to object oriented programming and java you'll learn everything from the fundamentals to advanced topics including threads network sockets and distributed programming with rmi and the new second edition focuses on java 5.0 the latest version of the java language and development platform because java 5.0 is a major update to the platform with deep code level changes even more careful study and implementation is required so learning the head first way is more important than ever if you've read a head first book you know what to expect a visually rich format designed for the way your brain works if you haven't you're in for a treat you'll see why people say it's unlike any other java book you've ever read by exploiting how your brain works head first java compresses the time it takes to learn and retain complex information its unique approach not only shows you what you need to know about java syntax it teaches you to think like a java programmer if you want to be bored buy some other book but if you want to understand java this book's for you

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