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Our Documentation | Python.org

This is the documentation for Python 3.9.0. Parts of the documentation: [What's new in Python 3.9?](#) or all "[What's new](#)" documents since 2.0. [Tutorial](#) start here. [Library Reference](#) keep this under your pillow. [Language Reference](#) describes syntax and language elements. [Python Setup and Usage](#) how to use Python on different platforms. [Python HOWTOs](#) in-depth documents on specific topics. [Installing ...](#)

Python 3.9.0 documentation

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The Python Tutorial ... and additional documentation. The Python interpreter is easily extended with new functions and data types implemented in C or C++ (or other languages callable from C). Python is also suitable as an extension language for customizable applications. This tutorial introduces the reader informally to the basic concepts and features of the Python language and system. It ...

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Developer documentation is intended for potential contributors. This can include code convention and general design strategy of the project. Sphinx¶ Sphinx is far and away the most popular Python documentation tool. Use it. It converts reStructuredText markup language into a range of output formats including HTML, LaTeX (for printable PDF versions), manual pages, and plain text. There is also ...

Documentation ¶ The Hitchhiker's Guide to Python

A tool for generating documentation that supports Python as well as multiple other languages: MkDocs: A static site generator to help build project documentation using the Markdown language: pycco: A ¶quick and dirty¶ documentation generator that displays code and documentation side by side. Check out our tutorial on how to use it for more info. Along with these tools, there are some ...

Documenting Python Code: A Complete Guide ¶ Real Python

Python » 3.9.0 Documentation » | The Python Language Reference ¶¶ This reference manual describes the syntax and ¶core semantics¶

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of the language. It is terse, but attempts to be exact and complete. The semantics of non-essential built-in object types and of the built-in functions and modules are described in ...

The Python Language Reference ¶ Python 3.9.0 documentation
Once you have read a tutorial, you can browse through Python's online documentation. It includes a tutorial that might come in handy, a Library Reference that lists all of the modules that come standard with Python, and the Language Reference for a complete (if rather dry) explanation of Python's syntax. When you are ready to write your first program, you will need a text editor or an IDE. If ...

BeginnersGuide - Python Wiki

Python 3.8.3. Release Date: May 13, 2020. This is the third maintenance release of Python 3.8. The Python 3.8 series is the newest major release of the Python programming language, and it contains many new features and optimizations. Major new features of the 3.8 series, compared to 3.7. PEP 572, Assignment expressions; PEP 570, Positional-only ...

Python Release Python 3.8.3 | Python.org

Documentation for Python's standard library, along with tutorials and guides, are available online. docs.python.org. Jobs. Looking for work or have a Python related position that you're trying to hire for? Our relaunched community-run job board is the place to go. jobs.python.org. Latest News . More. 2020-10-28 Key generation and signing ceremony for PyPI; 2020-10-27 Python Software Foundation ...

Welcome to Python.org

This is the documentation for Python 2.7.18. Parts of the documentation: What's new in Python 2.7? or all "What's new" documents since 2.0. Tutorial start here. Library Reference keep this under your pillow. Language Reference describes syntax and language elements. Python Setup and Usage how to use Python on different platforms. Python HOWTOs in-depth documents on specific topics. Installing ...

Python 2.7.18 documentation

The Python Standard Library¶. While The Python Language Reference describes the exact syntax and semantics of the Python language, this library reference manual describes the standard library that is distributed with Python. It also describes some of the optional components that are commonly included in Python distributions. Python's standard library is very extensive, offering a wide range ...

The Python Standard Library ¶ Python 3.9.0 documentation

Helping with Documentation¶ Python is known for having well-written documentation. Maintaining the documentation's accuracy and keeping a high level of quality takes a lot of effort. Community members, like you, help with writing, editing, and updating content, and these contributions are appreciated and welcomed. This high-level Helping with Documentation section provides: an overview of ...

6. Helping with Documentation ¶ Python Developer's Guide

7.1. Introduction¶. Python's documentation has long been

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considered to be good for a free programming language. There are a number of reasons for this, the most important being the early commitment of Python's creator, Guido van Rossum, to providing documentation on the language and its libraries, and the continuing involvement of the user community in providing assistance for creating ...

7. Documenting Python - Python Developer's Guide

The Python Imaging Library adds image processing capabilities to your Python interpreter. This library provides extensive file format support, an efficient internal representation, and fairly powerful image processing capabilities. The core image library is designed for fast access to data stored in a few basic pixel formats. It should provide a solid foundation for a general image processing ...

Pillow - Pillow (PIL Fork) 8.0.1 documentation

The following is from Python's socket module documentation: "If you use a hostname in the host portion of IPv4/v6 socket address, the program may show a non-deterministic behavior, as Python uses the first address returned from the DNS resolution. The socket address will be resolved differently into an actual IPv4/v6 address, depending on the results from DNS resolution and/or the host ...

Socket Programming in Python (Guide) - Real Python

Python 3.8.1 API documentation with instant search, offline support, keyboard shortcuts, mobile version, and more.

DevDocs - Python 3.8 documentation

Documentation. Documentation for the core SciPy Stack projects:

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NumPy. SciPy. Matplotlib. IPython. SymPy. pandas. The Getting started page contains links to several good tutorials dealing with the SciPy stack.

Documentation [SciPy.org](#)

Python 2.5 Documentation. Download all these documents (Many formats are available, including typeset versions for printing.)
Locate previous versions. What's New in Python 2.5 (changes since previous major release) Tutorial (start here) Global Module Index (for quick access to all modules) Library Reference (keep this under your pillow) Macintosh Library Modules (this too, if you use a ...

The Hitchhiker's Guide to Python takes the journeyman Pythonista to true expertise. More than any other language, Python was created with the philosophy of simplicity and parsimony. Now 25 years old, Python has become the primary or secondary language (after SQL) for many business users. With popularity comes diversity—and possibly dilution. This guide, collaboratively written by over a hundred members of the Python community, describes best practices currently used by package and application developers. Unlike other books for this audience, The Hitchhiker's Guide is light on reusable code and heavier on design philosophy, directing the reader to excellent sources that already exist.

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

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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

This book offers a highly accessible introduction to natural language processing, the field that supports a variety of language technologies, from predictive text and email filtering to automatic summarization and translation. With it, you'll learn how to write Python programs that work with large collections of unstructured text. You'll access richly annotated datasets using a comprehensive range of linguistic data structures, and you'll understand the main algorithms for analyzing the content and structure of written communication. Packed with examples and exercises, *Natural Language Processing with Python* will help you: Extract information from unstructured text, either to guess the topic or identify "named entities" Analyze linguistic structure in text, including parsing and semantic analysis Access popular linguistic databases, including WordNet and treebanks Integrate techniques drawn from fields as diverse as linguistics and artificial intelligence This book will help you gain practical skills in natural language processing using the Python programming language and the Natural Language Toolkit (NLTK) open source library. If you're interested in developing web applications, analyzing multilingual news

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sources, or documenting endangered languages -- or if you're simply curious to have a programmer's perspective on how human language works -- you'll find Natural Language Processing with Python both fascinating and immensely useful.

PYTHON 3 Reference Manual (Python Documentation MANUAL Part 2). Python is an easy to learn object-oriented programming language, which combines power with clear syntax. It has modules, classes, exceptions, very high level data types, and dynamic typing. Python is free software. It can be used with GNU (GNU/Linux), Unix, Microsoft Windows and many other systems. This is a printed softcover copy of the official Python documentation from the latest Python 3.0 distribution. For each copy sold \$1 will be donated to the Python Software Foundation by the publisher. This book is part of a brand new six-part series of Python documentation books. Searching for "Python Documentation Manual" will show all six available books. **ABOUT THE AUTHOR:** Guido van Rossum, is the inventor of Python. Fred L. Drake, Jr. is the official editor of the Python documentation.

PYTHON/C API Manual - Python 3 (Python documentation MANUAL Part 4). Python is an easy to learn object-oriented programming language, which combines power with clear syntax. It has modules, classes, exceptions, very high level data types, and dynamic typing. Python is free software. It can be used with GNU (GNU/Linux), Unix, Microsoft Windows and many other systems. This is a printed softcover copy of the official Python documentation from the latest Python 3.0 distribution. For each copy sold \$1 will be donated to the Python Software Foundation by the publisher. This book is part of a brand new six-part series of Python documentation books. Searching for "Python Documentation Manual" will show all six available books. **ABOUT THE AUTHOR:** Guido van Rossum, is the inventor of Python. Fred L. Drake, Jr. is the official editor of the Python documentation.

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"This manual is part of the official reference documentation for Python, an object-oriented programming language created by Guido van Rossum. Python is free software. The term "free software" refers to your freedom to run, copy, distribute, study, change and improve the software. With Python you have all these freedoms. You can support free software by becoming an associate member of the Free Software Foundation. The Free Software Foundation is a tax-exempt charity dedicated to promoting the right to use, study, copy, modify, and redistribute computer programs. It also helps to spread awareness of the ethical and political issues of freedom in the use of software. For more information visit the website www.fsf.org. The development of Python itself is supported by the Python Software Foundation. Companies using Python can invest in the language by becoming sponsoring members of this group. Donations can also be made online through the Python website. Further information is available at <http://www.python.org/psf/>."--Page 1.

Google and YouTube use Python because it's highly adaptable, easy to maintain, and allows for rapid development. If you want to write high-quality, efficient code that's easily integrated with other languages and tools, this hands-on book will help you be productive with Python quickly -- whether you're new to programming or just new to Python. It's an easy-to-follow self-paced tutorial, based on author and Python expert Mark Lutz's popular training course. Each chapter contains a stand-alone lesson on a key component of the language, and includes a unique Test Your Knowledge section with practical exercises and quizzes, so you can practice new skills and test your understanding as you go. You'll find lots of annotated examples and illustrations to help you get started with Python 3.0. Learn about Python's major built-in object types, such as numbers, lists, and dictionaries Create and process objects using Python statements, and learn Python's general syntax model Structure and

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reuse code using functions, Python's basic procedural tool Learn about Python modules: packages of statements, functions, and other tools, organized into larger components Discover Python's object-oriented programming tool for structuring code Learn about the exception-handling model, and development tools for writing larger programs Explore advanced Python tools including decorators, descriptors, metaclasses, and Unicode processing

Learn core concepts of Python and unleash its power to script highest quality Python programs About This Book Develop a strong set of programming skills with Python that you will be able to express in any situation, on every platform, thanks to Python's portability Stop writing scripts and start architecting programs by applying object-oriented programming techniques in Python Learn the trickier aspects of Python and put it in a structured context for deeper understanding of the language Who This Book Is For This course is meant for programmers who want to learn Python programming from a basic to an expert level. The course is mostly self-contained and introduces Python programming to a new reader and can help him become an expert in this trade. What You Will Learn Get Python up and running on Windows, Mac, and Linux in no time Grasp the fundamental concepts of coding, along with the basics of data structures and control flow Understand when to use the functional or the object-oriented programming approach Extend class functionality using inheritance Exploit object-oriented programming in key Python technologies, such as Kivy and Django Understand how and when to use the functional programming paradigm Use the multiprocessing library, not just locally but also across multiple machines In Detail Python is a dynamic and powerful programming language, having its application in a wide range of domains. It has an easy-to-use, simple syntax, and a powerful library, which includes hundreds of modules to provide routines for a wide range of applications, thus making it a popular language among programming enthusiasts. This course will take you

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on a journey from basic programming practices to high-end tools and techniques giving you an edge over your peers. It follows an interesting learning path, divided into three modules. As you complete each one, you'll have gained key skills and get ready for the material in the next module. The first module will begin with exploring all the essentials of Python programming in an easy-to-understand way. This will lay a good foundation for those who are interested in digging deeper. It has a practical and example-oriented approach through which both the introductory and the advanced topics are explained. Starting with the fundamentals of programming and Python, it ends by exploring topics, like GUIs, web apps, and data science. In the second module you will learn about object oriented programming techniques in Python. Starting with a detailed analysis of object-oriented technique and design, you will use the Python programming language to clearly grasp key concepts from the object-oriented paradigm. This module fully explains classes, data encapsulation, inheritance, polymorphism, abstraction, and exceptions with an emphasis on when you can use each principle to develop well-designed software. With a good foundation of Python you will move onto the third module which is a comprehensive tutorial covering advanced features of the Python language. Start by creating a project-specific environment using venv. This will introduce you to various Pythonic syntax and common pitfalls before moving onto functional features and advanced concepts, thereby gaining an expert level knowledge in programming and teaching how to script highest quality Python programs. Style and approach This course follows a theory-cum-practical approach having all the ingredients that will help you jump into the field of Python programming as a novice and grow-up as an expert. The aim is to create a smooth learning path that will teach you how to get started with Python and carry out expert-level programming techniques at the end of course.

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1). Python is an easy to learn object-oriented programming language, which combines power with clear syntax. It has modules, classes, exceptions, very high level data types, and dynamic typing. Python is free software. It can be used with GNU (GNU/Linux), Unix, Microsoft Windows and many other systems. This is a printed copy of the official Python documentation from the latest Python 3 distribution. For each copy sold \$1 will be donated to the PYTHON SOFTWARE FOUNDATION by the publisher. This book is part of a new six-part series of Python documentation books. Searching for "Python Documentation Manual" will show all six available books. THE AUTHOR Guido van Rossum, is the inventor of Python. Fred L. Drake, Jr. is the official editor of the Python documentation. ++++ UPDATE: A printing error has occurred with some of the first copies. At any time customers can return defective books to amazon. * The problem HAS BEEN FIXED. ++

If you need to mark a function, a class or a method as deprecated, you can use the @deprecated decorator. This documentation explains how to install and use the Python-Deprecated library. It includes a detailed tutorial and simple use cases. You will also have all the keys to contribute to the development of the source code. Why should you pay for this documentation? This a way to donate to the Python-Deprecated project. Your gratitude and financial help will be motivating to continue the project's development.

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