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Learn Python Programming

(https://www.programiz.com/python-programming)

📖 **TUTORIALS**
(/PYTHON-PROGRAMMING)

≡ **EXAMPLES**

◈ **REFERENCES**

Python is a powerful general-purpose programming language. It is used in web development, data science, creating software prototypes, and so on. Fortunately for beginners, Python has simple easy-to-use syntax. This makes Python an excellent language to learn to program for beginners.

Our Python tutorial will guide you to learn Python one step at a time.

Introduction

- ✓ Getting Started(/python-programming/first-program)

- ✓ Keywords and Identifiers(/python-programming/keywords-identifier)

- ✓ Statements & Comments(/python-programming/statement-indentation-comments)

- ✓ Python Variables(/python-programming/variables-constants-literals)

- ✓ Python Datatypes(/python-programming/variables-datatypes)

Python Flow Control

- [Python if...else](/python-programming/if-elif-else)(/python-programming/if-elif-else)

- [Python for Loop](/python-programming/for-loop)(/python-programming/for-loop)

- [Python while Loop](/python-programming/while-loop)(/python-programming/while-loop)

- [Python break and continue](/python-programming/break-continue)(/python-programming/break-continue)

- [Python Pass](/python-programming/pass-statement)(/python-programming/pass-statement)

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Python Datatypes

Python Files

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✓ Python User-defined Exception(/python-programming/user-defined-exception)

Python Object & Class

✓ Python OOP(/python-programming/object-oriented-programming)

✓ Python Class(/python-programming/class)

✓ Python Inheritance(/python-programming/inheritance)

✓ Multiple Inheritance(/python-programming/multiple-inheritance)

✓ Operator Overloading(/python-programming/operator-overloading)

Python Advanced Topics

✓ Python Iterator(/python-programming/iterator)

✓ Python Generator(/python-programming/generator)

✓ Python Closure(/python-programming/closure)

✓ Python Decorators(/python-programming/decorator)

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Python Date & Time

- Python datetime Module(/python-programming/datetime)

- Python datetime.strftime()(/python-programming/datetime/strftime)

- Python datetime.strptime()(/python-programming/datetime/strptime)

- Current date & time(/python-programming/datetime/current-datetime)

- Get current time(/python-programming/datetime/current-time)

- Timestamp to datetime(/python-programming/datetime/timestamp-datetime)

- Python time Module(/python-programming/time)

- Python time.sleep()(/python-programming/time/sleep)

About Python Programming

- **Free and open-source** - You can freely use and distribute Python, even for commercial use.

Get App (https://www.programiz.com/learn-python?utm_campaign=programiz-homepage&utm_source=programiz-website-python-app-popup)

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Why Learn Python?

- Python is easy to learn. Its syntax is easy and code is very readable.

- Python has a lot of applications. It's used for developing web applications, data science, rapid application development, and so on.

- Python allows you to write programs in fewer lines of code than most of the programming languages.

- The popularity of Python is growing rapidly. Now it's one of the most popular programming languages.

How to learn Python?

- **Python tutorial from Programiz** - We provide step by step Python tutorials, examples, and references. Get started with Python. (/python-programming/first-program)

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- **Write a lot of Python code**- The only way you can learn programming is by writing a lot of code.

Python Resources

- [Python Examples](/python-programming/examples) (/python-programming/examples)

- [Python References](/python-programming/methods) (/python-programming/methods)

- [Python Online Compiler](/python-programming/online-compiler/) (/python-programming/online-compiler/)

- [Python Guide](/python-programming/guide) (/python-programming/guide)