Tutorials

HTML and CSS

Data Analytics

Web Building

JavaScript

Web Building

Backend

Data Analytics

Web Building

Exercises

HTML and CSS

Data Analytics

JavaScript

Backend

Data Analytics

Certificates

HTML and CSS

Data Analytics

Programs

JavaScript

Programs

Programs

Backend

Data Analytics

All Our Services

W3Schools offers a wide range of services and products for beginners and professionals,  
   
 helping millions of people everyday to learn and master new skills.

Free Tutorials

Enjoy our free tutorials like millions of other internet users since 1999

References

Explore our selection of references covering all popular coding languages

Create a Website

Create your own website with  
 W3Schools Spaces  
 - no setup required

Exercises

Test your skills with different exercises

Quizzes

Test yourself with multiple choice questions

Get Certified

Document your knowledge

Log in / Sign Up

Create a  
 free  
 W3Schools Account to Improve Your Learning Experience

Pathfinder & My Learning

Track your learning progress at W3Schools and collect rewards

Upgrade

Become a PLUS user and unlock powerful features (ad-free, hosting, support,..)

Where To Start

Not sure where you want to start? Follow our guided path

Code Editor (Try it)

With our online code editor, you can edit code and view the result in your browser

Videos

Learn the basics of HTML in a fun and engaging video tutorial

Templates

We have created a bunch of responsive website templates you can use - for free!

Web Hosting

Host your own website, and share it to the world with  
 W3Schools Spaces

Create a Server

Create your own server using Python, PHP, React.js, Node.js, Java, C#, etc.

How To's

Large collection of code snippets for HTML, CSS and JavaScript

CSS Framework

Build fast and responsive sites using our free  
 W3.CSS  
 framework

Browser Statistics

Read long term trends of browser usage

Typing Speed

Test your typing speed

AWS Training

Learn Amazon Web Services

Color Picker

Use our color picker to find different RGB, HEX and HSL colors.

Code Game

W3Schools Coding Game! Help the lynx collect pine cones

Set Goal

Get personalized learning journey based on your current skills and goals

Newsletter

Join our newsletter and get access to exclusive content every month

For Teachers

Contact us about W3Schools Academy for educational institutions

For Businesses

Contact us about W3Schools Academy for your organization

Contact Us

About sales:  
 sales@w3schools.com  
  
 About errors:  
 help@w3schools.com

Python Tutorial

File Handling

Python Modules

Python Matplotlib

Machine Learning

Python MySQL

Python MongoDB

Python Reference

Module Reference

Python How To

Python Examples

Python Tutorial

Learn Python

Python is a popular programming language.

Python can be used on a server to create web applications.

Learning by Examples

With our "Try it Yourself" editor, you can edit Python code and view the result.

Example

Click on the "Try it Yourself" button to see how it works.

Python File Handling

In our File Handling section you will learn how to open, read, write, and   
delete files.

Python File Handling

Python Database Handling

In our database section you will learn how to access and work with MySQL and MongoDB databases:

Python MySQL Tutorial

Python MongoDB Tutorial

Python Exercises

Many chapters in this tutorial end with an exercise where you can check you level of knowledge.

See all Python Exercises

Python Examples

Learn by examples! This tutorial supplements all explanations with clarifying examples.

See All Python Examples

Python Quiz

Test your Python skills with a quiz.

Python Quiz

My Learning

Track your progress with the free "My Learning" program here at W3Schools.

Log in to your account, and start earning points!

This is an optional feature. You can study at W3Schools without using My Learning.

Python Reference

You will also find complete function and method references:

Reference Overview

Built-in Functions

String Methods

List/Array Methods

Dictionary Methods

Tuple Methods

Set Methods

File Methods

Python Keywords

Python Exceptions

Python Glossary

Random Module

Requests Module

Math Module

CMath Module

Download Python

Download Python from the official Python web site:  
 https://python.org

Kickstart your career

Get certified by completing the course

COLOR PICKER

Contact Sales

If you want to use W3Schools services as an educational institution, team or enterprise, send us an e-mail:sales@w3schools.com

Report Error

If you want to report an error, or if you want to make a suggestion, send us an e-mail:help@w3schools.com

Top Tutorials

Top References

Top Examples

Get Certified