



Computer Science Virtual Learning

HS Computer Science

Essentials

May 4, 2020



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Lesson: May 4, 2020

Objective/Learning Target:
Python For Loops



Let's Get Started:

A for loop is used for iterating over a sequence (that is either a list, a tuple, a dictionary, a set, or a string). This is less like the for keyword in other programming languages, and works more like an iterator method as found in other object-oriented programming languages. With the for loop we can execute a set of statements, once for each item in a list, tuple, set etc. Explore the Python tutorial at:

https://www.w3schools.com/python/python_for_loops.asp

Work through the Python For Loops subcategory.



w3schools.com

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Python Tutorial

- Python HOME
- Python Intro
- Python Get Started
- Python Syntax
- Python Comments
- Python Variables
- Python Data Types
- Python Numbers
- Python Casting
- Python Strings
- Python Booleans
- Python Operators
- Python Lists
- Python Tuples
- Python Sets

Python Tutorial

[← Home](#)

Python is a programming language.

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

[Start learning Python now »](#)

Be certain to try each example
that is provided



Learning by Examples

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

Example

```
print("Hello, World!")
```

Try it Yourself >

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

Clicking on the "Try it Yourself" buttons will open a new screen that will allow you to practice what you have learned in the tutorial. The screen on the left will allow you to enter your code. Click on "Run" to see the output of your program on the right side of the screen.

```
#This is a comment.  
print("Hello, World!")
```

Hello, World!

Practice:

At the end of this section, click on the “Start the Exercise” link within the “Test Yourself With Exercises” block.



Python Exercises

Test Yourself With Exercises

Exercise:

Insert the missing part of the code below to output "Hello World".

```
_____ ("Hello World")
```

Submit Answer »

[Start the Exercise](#)

Complete Exercises 1-4 under PYTHON For Loops and check your answers after running your programs.



Additional Practice:

Click on the links below to get additional practice and to check your understanding!

[Python for Loop - Program IZ](#)

[Python for Loop - Real Python](#)