ш3schools.com



Python Variables



Next >

Creating Variables

Unlike other programming languages, Python has no command for declaring a variable.

A variable is created the moment you first assign a value to it.

```
Example

x = 5
y = "John"
print(x)
print(y)

Run example »
```

Variables do not need to be declared with any particular type and can even change type after they have been set.

```
Example

x = 4 # x is of type int
x = "Sally" # x is now of type str
print(x)

Run example »
```

Variable Names

A variable can have a short name (like x and y) or a more descriptive name (age, carname, total_volume). Rules for Python variables:

- A variable name must start with a letter or the underscore character
- A variable name cannot start with a number
- A variable name can only contain alpha-numeric characters and underscores (A-z, 0-9, and _)
- Variable names are case-sensitive (age, Age and AGE are three different variables)

Remember that variables are case-sensitive

Output Variables

The Python print statement is often used to output variables.

To combine both text and a variable, Python uses the + character:

```
Example
x = "awesome"
print("Python is " + x)
Run example »
```

You can also use the + character to add a variable to another variable:

```
Example

x = "Python is "
y = "awesome"
z = x + y
print(z)

Run example »
```

For numbers, the + character works as a mathematical operator:

```
Example

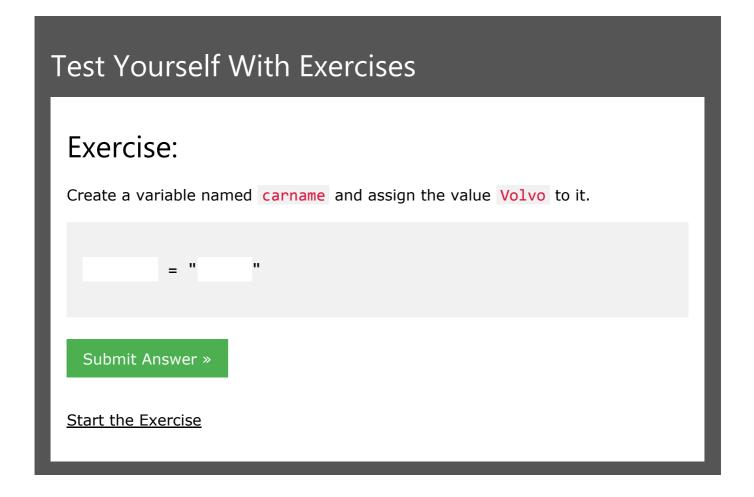
x = 5
y = 10
print(x + y)

Run example »
```

If you try to combine a string and a number, Python will give you an error:

```
Example

x = 5
y = "John"
print(x + y)
Run example »
```



COLOR PICKER



HOW TO

Tabs

Dropdowns

Accordions

Side Navigation

Top Navigation

Modal Boxes

Progress Bars

Parallax

Login Form

HTML Includes

Google Maps

Range Sliders

Tooltips

Slideshow

Filter List

Sort List

SHARE









CERTIFICATES

HTML CSS

JavaScript PHP jQuery Bootstrap XML

Read More »

REPORT ERROR
PRINT PAGE
FORUM
ABOUT

Top 10 Tutorials

HTML Tutorial
CSS Tutorial
JavaScript Tutorial
How To Tutorial
W3.CSS Tutorial
Bootstrap Tutorial
SQL Tutorial
PHP Tutorial
jQuery Tutorial
Python Tutorial

Top 10 References

HTML Reference
CSS Reference
JavaScript Reference
W3.CSS Reference
Bootstrap Reference
SQL Reference
PHP Reference
HTML Colors
jQuery Reference
Python Reference

Top 10 Examples

HTML Examples CSS Examples JavaScript Examples How To Examples W3.CSS Examples
Bootstrap Examples
PHP Examples
jQuery Examples
Angular Examples
XML Examples

Web Certificates

HTML Certificate
CSS Certificate
JavaScript Certificate
jQuery Certificate
PHP Certificate
Bootstrap Certificate
XML Certificate

W3Schools is optimized for learning, testing, and training. Examples might be simplified to improve reading and basic understanding. Tutorials, references, and examples are constantly reviewed to avoid errors, but we cannot warrant full correctness of all content. While using this site, you agree to have read and accepted our terms of use, cookie and privacy policy. Copyright 1999-2019 by Refsnes Data. All Rights Reserved.

Powered by W3.CSS.

