

PYTHON TUTORIAL FOR BEGINNERS

Source: www.youtube.com/@RishabhMishraOfficial

Chapter - 04

Variables in Python

- What is a Variable
- Variables - examples
- Variable Naming Rules



Variables in Python

A variable in Python is a **symbolic name** that is a reference or pointer to an object.

In simple terms, variables are like **containers** that you can fill in with different types of data values. Once a variable is **assigned** a value, you can use that variable in place of the value.

We assign value to a variable using the **assignment operator** (=).

Syntax: `variable_name = value`

Example: `greeting = "Hello World"`

`print(greeting)`

Variable Examples

Python can be used as a powerful calculator for performing a wide range of arithmetic operations.

```
PythonLevel  = "Beginner"  # pascal case
pythonLevel  = "Beginner"  # camel case
pythonlevel  = "Beginner"  # flat case
python_level = "Beginner"  # Snake case
```

```
x = 10  
print(x+1)    # add number to a variable  
  
a, b, c = 1, 2, 3  
print(a, b, c)    # assign multiple variables
```

Variable Naming Rules

1. Must start with a letter or an underscore (_).
2. Can contain letters, numbers, and underscores.
3. Case-sensitive (my_name and my_Name are different).
4. Cannot be a reserved keyword (like for, if, while, etc.).

```
_my_name = "Madhav"  ✓  
  
for = 26 ✗  
  
# 'for' is a reserved word in Python
```



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