

Python-Variables



[Youtube Channel \(https://www.youtube.com/channel/UCGHNehAJE0sq6ayR3x3gCiA\)](https://www.youtube.com/channel/UCGHNehAJE0sq6ayR3x3gCiA)

What is a variable?

- A memory location.
- A name that is associated with that location.
- The memory location is used to hold data.

Dynamic Typing - We don't have to declare the type of variable while assigning a value to a variable in Python. Like in other languages like C, C++, Java, etc.,



Value of the variable can be changed anytime during execution of the program

Usage: use to store data that might change during program execution

How to declare?

variable-name = value

In [1]:

```
1 value1 = 20
2 value1
```

Out[1]:

20

In [2]:

```
1 value1 = 30
2 value1
```

Out[2]:

30

In [3]:

```
1 value2 = 3.14
2 value2
```

Out[3]:

3.14

In [4]:

```
1 value3 = "hello"
2 value3
```

Out[4]:

'hello'