

Hello World in Python

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

Python Comments

Example 1

```
#This is a comment
```

Example 2

```
#This is a comment
#written in
#more than just one line
```

Example 3

```
"""
This is a comment
written in
more than just one line """
```

Python Variables

```
#code
x = "How old are you ?" #x is of type str
print(x)
#output
>>> How old are you ?
#code
x = 25 #x now is of type int
print(x)
#output
>>> 25
```

Python Data Types

| | |
|-----------------|------------------------------|
| Text Type: | str |
| Numeric Types: | int, float, complex |
| Sequence Types: | list, tuple, range |
| Mapping Type: | dict |
| Set Types: | set, frozenset |
| Boolean Type: | bool |
| Binary Types: | bytes, bytearray, memoryview |

Get the data type of a variable "var"

```
type(var)
```

Python Data Types Examples

| Example | Data Type |
|--------------------------------|------------|
| x = "Color" | list |
| x = 1 | int |
| x = 1.2 | float |
| x = 2j | complex |
| x = ["Blue", "Red", "Yellow"] | list |
| x = ("Blue", "Red", "Yellow") | tuple |
| x = range(8) | range |
| x={"Age":25, "Height":1.72} | dict |
| x = {"Pink", "Red"} | set |
| x = frozenset({"Pink", "Red"}) | frozenset |
| x = True | bool |
| x = b"Color" | bytes |
| x = bytearray(8) | bytearray |
| x = memoryview(bytes(8)) | memoryview |

Get the data type of x :

```
x = "Color"
print(type(x))
>>> str
```



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