

PYTHON SNIPPETS

Python Numbers

THERE ARE THREE NUMERIC TYPES IN PYTHON:

INT FLOAT COMPLEX

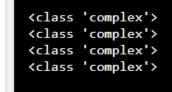




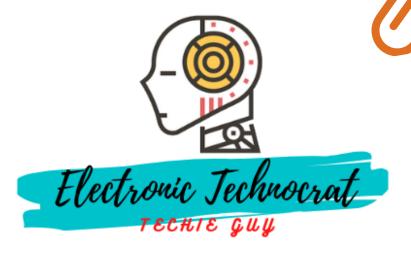
COMPLEX

COMPLEX NUMBERS ARE WRITTEN WITH A "J" AS THE IMAGINARY PART:

```
x = 3+5j
y = 5j
z = -5j
w= -4j+6
print(type(x))
print(type(y))
print(type(z))
print(type(w))
```







TYPE CONVERSION

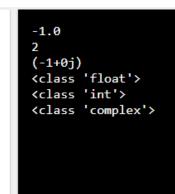
YOU CAN CONVERT FROM ONE TYPE TO ANOTHER WITH THE INT(), FLOAT(), AND COMPLEX() METHODS:

```
#convert from int to float:
x = float(-1)

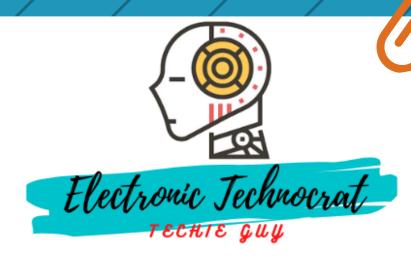
#convert from float to int:
y = int(2.8)

#convert from int to complex:
z = complex(x)

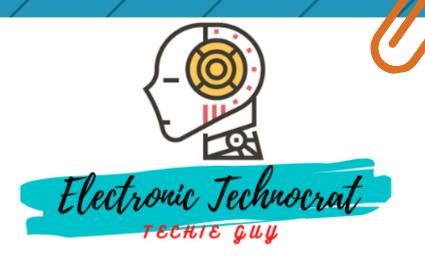
print(x)
print(y)
print(y)
print(type(x))
print(type(y))
print(type(z))
```







NOTE: YOU CANNOT CONVERT COMPLEX NUMBERS INTO ANOTHER NUMBER TYPE.



RANDOM NUMBER

PYTHON DOES NOT HAVE A RANDOM() FUNCTION TO MAKE A RANDOM NUMBER, BUT PYTHON HAS A BUILT-IN MODULE CALLED RANDOM THAT CAN BE USED TO MAKE RANDOM NUMBERS

import random

print(random.randrange(1, 10))