Python Numbers

Int Type

```
#int
intType = 6
print(intType)//6
print(type(intType))//<class 'int'>
```

Float Type

```
#float
floatType = 6.2
print(floatType)//6.2
print(type(floatType)) //<class 'float'>

floatType2 = 6.2e3
print(floatType2)//6200.0
print(type(floatType2)) //<class 'float'>
```

Complex Type

```
#complex
complexType = 6j
print(complexType)//6j
print(type(complexType)) //<class 'complex'>
```

Int To Float

```
# To Convert Int to float
# Int Number
intNo = 8
print(intNo)//8
print(type(intNo))//int

# Float Number after conversion
floatConvert = float(intNo)
print(floatConvert)//8.0
print(type(floatConvert))//<class 'float'>
```

Int to Complex

```
# To Convert Int to complex
# Int Number
intNo = 8
print(intNo)//8
print(type(intNo)) //<class 'int'>

# complex Number after conversion
complexConvert = complex(intNo)
print(complexConvert)(8+0j)
print(type(complexConvert)) //<class 'complex'>
```

Float to Int

```python
# To Convert float to int
# float Number
flNo = 8.2
print(flNo)
print(type(flNo))

# float Number after conversion
floatConvert = int(flNo)
print(floatConvert)
print(type(floatConvert))
```

Float To Complex

```python
# To Convert float to complex
# float Number
flNo = 8.6
print(flNo)//8.6
print(type(flNo))// <class 'float'>

# float Number after conversion
complexConvert = complex(flNo)
print(complexConvert)// (8.6+0j)
print(type(complexConvert)) <class 'complex'>
```

Complex

You cannot convert complex numbers into another number type.

```python
# To convert from complex into int or float
co = 6j
print(co, type(co))

coConv = int(co)
print(coConv)
print(type(coConv))
# TypeError: int() argument must be a string, a bytes-like object or a real
number, not 'complex'

coConv2 = float(co)
print(coConv2)
print(type(coConv2))
# TypeError: int() argument must be a string, a bytes-like object or a real
number, not 'complex'
```

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:

```python
import random

print(random.randrange(1, 10))  # 7
```