**Python Casting - 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**

# 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**

# 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.

# 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:

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