In [1]:
```
int(2.3)
```

Out[1]: 2

In [2]:
```
int(2.3,7.6)# in type casting we can only pass one argument so we got error here
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[2], line 1
----> 1 int(2.3,7.6)

TypeError: 'float' object cannot be interpreted as an integer
```

In [3]:
```
int(True)#boolean to interger
```

Out[3]: 1

In [4]:
```
int(True,False)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[4], line 1
----> 1 int(True,False)

TypeError: int() can't convert non-string with explicit base
```

In [8]:
```
print(int(2.3))# float-int
print(int(True))#bool-int
print(int('1'))#string-int
```

```
2
1
1
```

In [11]:
```
print(float(2))# int-float
print(float(False))#bool -float
print(float('2'))#string-float
print(float(2.4))#float-float
print(float("this is you"))#string-float
```

```
2.0
0.0
2.0
2.4
---------------------------------------------------------------------------
ValueError                                Traceback (most recent call last)
Cell In[11], line 5
      3 print(float('2'))
      4 print(float(2.4))
----> 5 print(float("this is you"))

ValueError: could not convert string to float: 'this is you'
```

In [38]:
```
print(str(1))#int-str
print(str(2.4))#float-str
print(str("hi guys"))#str-str
print(str('hi' 'everyone'))#str-str
print(str(1+2j))
```

```
1
2.4
hi guys
hieveryone
(1+2j)
```

In [21]:
```
a=int(input())
print(float(a))
```

```
3.0
```

In [22]:
```
complex(10)
```

Out[22]: (10+0j)

In [23]:
```
complex(10,30)
```

Out[23]: (10+30j)

In [25]:
```
complex("1")
```

Out[25]: (1+0j)

In [26]:
```
complex()
```

Out[26]: 0j

In [31]:
```
complex("7","5")
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[31], line 1
----> 1 complex("7","5")

TypeError: complex() can't take second arg if first is a string
```

In [35]:
```
print(bool(1))# any non zero argument is true and empty space is false
print(bool(1.2))
print(bool(1+2j))
print(bool('1'))
print(bool())
```

```
True
True
True
True
False
```

In [36]:
```
print(bool(@))#false because of the symbol
```

```
  Cell In[36], line 1
    print(bool(@))
                ^
SyntaxError: invalid syntax
```

In [37]:
```
str(2)
```

Out[37]: '2'