Type Casting

```
In [2]:  int(2.3)
```

```
Out[2]:  2
```

```
In [4]:  int(2.1, 1.0)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[4], line 1
----> 1 int(2.1, 1.0)

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

```
In [6]:  int(True)
```

```
Out[6]:  1
```

```
In [8]:  int(false)
```

```
---------------------------------------------------------------------------
NameError                                 Traceback (most recent call last)
Cell In[8], line 1
----> 1 int(false)

NameError: name 'false' is not defined
```

```
In [10]:  int(False)
```

```
Out[10]:  0
```

```
In [12]:  True + True
```

```
Out[12]:  2
```

```
In [14]:  True + False
```

```
Out[14]:  1
```

```
In [16]:  int(1+1)
```

```
Out[16]:  2
```

```
In [18]:  int(1+1j)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[18], line 1
----> 1 int(1+1j)

TypeError: int() argument must be a string, a bytes-like object or a real number, no
t 'complex'
```

In [20]: `float(10)`

Out[20]: 10.0

In [22]: `float(10.7777)`

Out[22]: 10.7777

In [ ]:

In [24]: `float(True)`

Out[24]: 1.0

In [26]: `complex(10)`

Out[26]: (10+0j)

In [28]: `complex(10, 50)`

Out[28]: (10+50j)

In [30]: `complex(10,20,30,40,50)`

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[30], line 1
----> 1 complex(10,20,30,40,50)

TypeError: complex() takes at most 2 arguments (5 given)
```

In [32]: `complex(2.3)`

Out[32]: (2.3+0j)

In [34]: `complex(2.3, 4)`

Out[34]: (2.3+4j)

In [36]: `complex(True, True)`

Out[36]: (1+1j)

In [38]: `complex(False)`

```
Out[38]:  0j
```

```
In [40]:  complex(True)
```

```
Out[40]:  (1+0j)
```

```
In [42]:  complex('10')
```

```
Out[42]:  (10+0j)
```

```
In [44]:  complex('10', '10')
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[44], line 1
----> 1 complex('10', '10')

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

```
In [46]:  complex('10', 10)
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[46], line 1
----> 1 complex('10', 10)

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

```
In [48]:  complex(10, '10')
```

```
---------------------------------------------------------------------------
TypeError                                 Traceback (most recent call last)
Cell In[48], line 1
----> 1 complex(10, '10')

TypeError: complex() second arg can't be a string
```

```
In [ ]:  complex('10', '10')
```

```
In [50]:  complex('10')
```

```
Out[50]:  (10+0j)
```

```
In [ ]:
```