

Notebook

June 25, 2025

```
[2]: int(2.6)
```

```
[2]: 2
```

```
[3]: int(True)
```

```
[3]: 1
```

```
[4]: int('6')
```

```
[4]: 6
```

```
[5]: int('sun')
```

```
-----  
ValueError                                Traceback (most recent call last)  
Cell In[5], line 1  
----> 1 int( )  
  
ValueError: invalid literal for int() with base 10: 'sun'
```

```
[6]: int(6+3j)
```

```
-----  
TypeError                                Traceback (most recent call last)  
Cell In[6], line 1  
----> 1 int(6+3j)  
  
TypeError: int() argument must be a string, a bytes-like object or a real_  
↳number, not 'complex'
```

```
[1]: print('number of days in a year: ',int(365.5))  
print('true value is = ',int(True))  
print('false value is = ',int(False))  
print("ten in number farmat is :",int('10'))
```

```
number of days in a year: 365
true value is = 1
false value is = 0
ten in number format is : 10
```

```
[7]: print(float(2))
      print(float(False))
      print(float('4'))
      print(float(8+3j))
```

```
2.0
0.0
4.0
```

```
-----
TypeError                                Traceback (most recent call last)
Cell In[7], line 4
      2 print(float(False))
      3 print(float('4'))
----> 4 print(float(8+3j))

TypeError: float() argument must be a string or a real number, not 'complex'
```

```
[8]: print(float('one'))
```

```
-----
ValueError                                Traceback (most recent call last)
Cell In[8], line 1
----> 1 print(float('one'))

ValueError: could not convert string to float: 'one'
```

```
[9]: complex(10)
```

```
[9]: (10+0j)
```

```
[10]: complex(6,8)
```

```
[10]: (6+8j)
```

```
[11]: complex(5,3.2)
```

```
[11]: (5+3.2j)
```

```
[12]: complex(4.1,3)
```

[12]: (4.1+3j)

```
[13]: complex(1.3,2.9)
```

[13]: (1.3+2.9j)

```
[14]: complex(True,False)
```

[14]: (1+0j)

```
[15]: complex(False,True)
```

[15]: 1j

```
[16]: complex('1','4')
```

```
-----
TypeError                                Traceback (most recent call last)
Cell In[16], line 1
----> 1 complex( , )

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

```
[17]: complex('6')
```

[17]: (6+0j)

```
[20]: print(bool(1))
      print(bool(8.1))
      print(bool(1+5j))
      print(bool('nit'))
      print(bool())
```

True
True
True
True
False

```
[22]: str(2)
```

[22]: '2'

```
[23]: str(6.3)
```

[23]: '6.3'

```
[24]: str(True)
```

[24]: 'True'

[25]: `str(5+2j)`

[25]: '(5+2j)'

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