

```
In [3]: int(21.4,3.7)
```

```
-----  
TypeError                                Traceback (most recent call last)  
Cell In[3], line 1  
----> 1 int(21.4,3.7)  
  
TypeError: 'float' object cannot be interpreted as an integer
```

```
In [13]: int(10.5)
```

```
Out[13]: 10
```

```
In [4]: int(true)
```

```
-----  
NameError                                Traceback (most recent call last)  
Cell In[4], line 1  
----> 1 int(true)  
  
NameError: name 'true' is not defined
```

```
In [14]: int('55')
```

```
Out[14]: 55
```

```
In [5]: int(True)
```

```
Out[5]: 1
```

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

```
Out[6]: 0
```

```
In [7]: int('123')
```

```
Out[7]: 123
```

```
In [8]: int(10+20j)
```

```
-----  
TypeError                                Traceback (most recent call last)  
Cell In[8], line 1  
----> 1 int(10+20j)  
  
TypeError: int() argument must be a string, a bytes-like object or a real number,  
not 'complex'
```

## All other data types to float

```
In [9]: float(12)
```

```
Out[9]: 12.0
```

```
In [10]: float(True)
```

```
Out[10]: 1.0
```

```
In [11]: float(False)
```

```
Out[11]: 0.0
```

```
In [12]: float('123')
```

```
Out[12]: 123.0
```

```
In [13]: float(20+30j)
```

```
-----  
TypeError                                Traceback (most recent call last)  
Cell In[13], line 1  
----> 1 float(20+30j)  
  
TypeError: float() argument must be a string or a real number, not 'complex'
```

## all other data types to String

```
In [1]: str(12)
```

```
Out[1]: '12'
```

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

```
Out[2]: 'True'
```

```
In [3]: str(25.5)
```

```
Out[3]: '25.5'
```

```
In [4]: str(20+50j)
```

```
Out[4]: '(20+50j)'
```

## all other data types to boolean

```
In [1]: bool(12)
```

```
Out[1]: True
```

```
In [2]: bool(10.50)
```

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

```
In [4]: bool('swapna')
```

```
Out[4]: True
```

```
In [5]: bool(20+10j)
```

```
Out[5]: True
```

```
In [6]: bool(0)
```

```
Out[6]: False
```

## all other data types to complex

```
In [7]: complex(10)
```

```
Out[7]: (10+0j)
```

```
In [8]: complex('swapna')
```

```
-----  
ValueError                                Traceback (most recent call last)  
Cell In[8], line 1  
----> 1 complex('swapna')  
  
ValueError: complex() arg is a malformed string
```

```
In [9]: complex(True)
```

```
Out[9]: (1+0j)
```

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

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

```
In [11]: complex(10.5)
```

```
Out[11]: (10.5+0j)
```

```
In [12]: complex(20.5,10.4)
```

```
Out[12]: (20.5+10.4j)
```

```
In [ ]:
```