Type Conversion:

• Converting one data type to another.

There are two types of type conversion:

- 1. Implicit
- 2. Explicit

In Implicit type conversion of data types in Python, the Python interpreter automatically converts one data type to another without any user involvement.

```
In [2]:
          #example:
          a=10
          b=12.645
          type(b)
          float
 Out[2]:
          type(a)
 In [3]:
 Out[3]:
 In [4]:
          c=a+b
          print(type(c))
          <class 'float'>
          Here, int + float= float (Python convert it automatically to float because, if it convetred c in int, then some values may get lost after
          decimal)
          In Explicit Type Conversion in Python, the data type is manually changed by the user as per their requirement.
 In [5]: a=2.578
          type(a)
          float
 Out[5]:
 In [6]:
          a=int(a)
          print(a)
          2
 In [7]: type(a)
          int
 Out[7]:
          With explicit type conversion, there is a risk of data loss since we are forcing an expression to be changed in some specific data type.
 In [8]: #lets see few other example, converting string to tuple
          a="Mango"
          type(a)
          str
 Out[8]:
 In [9]: a=tuple(a)
In [10]: print(a)
          ('M', 'a', 'n', 'g', 'o')
In [11]: type(a)
          tuple
Out[11]:
In [12]:
          #Similarly we can convert string to set but most important is int to float, float to int
          a="Ram'
          a=set(a)
In [13]: print(a)
          {'a', 'm', 'R'}
In [14]: type(a)
Out[14]:
```

In []: