Assignment 3

Tuple

Tuple Indexing

```
(0, 143)
         (1, 183.4)
         (2, 'mahesh')
         (3, (34+6j))
         (4, 'all is well')
         (5, 'doing what is right')
         (6, 'rest is rust')
In [99]: t4[2:]
Out[99]: ('mahesh', (34+6j), 'all is well', 'doing what is right', 'rest is rust')
In [100...
          print(t4[:7],end="")
         (143, 183.4, 'mahesh', (34+6j), 'all is well', 'doing what is right', 'rest is ru
In [101...
          t4[:5]
Out[101... (143, 183.4, 'mahesh', (34+6j), 'all is well')
In [102...
         t4[-5:]
Out[102... ('mahesh', (34+6j), 'all is well', 'doing what is right', 'rest is rust')
```

Removing and changing Items

```
In [68]: for i in enumerate(t4):
              print(i)
         (0, 143)
         (1, 183.4)
         (2, 'mahesh')
         (3, (34+6j))
         (4, 'all is well')
         (5, 'doing what is right')
         (6, 'rest is rust')
In [61]: del t4[5]
         TypeError
                                                    Traceback (most recent call last)
         Cell In[61], line 1
         ----> 1 del t4[5]
        TypeError: 'tuple' object doesn't support item deletion
In [62]: del t4 #we can delete an whole tuple but we cannot delete values in the tuple be
          t4=(143,6,183.4, "mahesh", 34+6j, "all is well", "doing what is right", "rest is rus
In [103...
          t4
```

```
Out[103...
            (143,
             6,
             183.4,
             'mahesh',
             (34+6j),
             'all is well',
             'doing what is right',
             'rest is rust')
In [104...
           for i in t4:
                print(i)
          143
          183.4
          mahesh
          (34+6j)
          all is well
          doing what is right
          rest is rust
           for i in enumerate(t4): print(i)
```

membership operator

```
In [105... 6 in t4 # it checks whether elements is present or not

Out[105... True

In [106... 4 in t4

Out[106... False
```

index

```
In [107... t4.index(143)
Out[107... 0
In []: t4.index(13) #ValueError: tuple.index(x): x not in tuple
In [109... t4.index("mahesh")
Out[109... 3
```

sort

```
In [110... t5=(23,2323,232,64687,245345,4352,3532)

In [111... sorted(t5) # return th sorted tuple
```

```
Out[111... [23, 232, 2323, 3532, 4352, 64687, 245345]

In [112... sorted(t5,reverse=True) # return th sorted tuple in decsending order

Out[112... [245345, 64687, 4352, 3532, 2323, 232, 23]

In []:
```