#1.list and its default functions:#

```
In [1]: lst=[45,"the lila",[23,["ya",34,2.2],56,1],"+",6]
        lst
ut[1]: [45, 'the lila', [23, ['ya', 34, 2.2], 56, 1], '+', 6]
```

```
In [7]: lst=[45,"the lila",[23,["ya",34,2.2],56,1],"+",6]
        lst.reverse()
        print(lst)
ut[7]:  [6, '+', [23, ['ya', 34, 2.2], 56, 1], 'the lila', 45]
```

```
In [9]: no_count=lst.count(6)
        print('the repitition of no 6 is:',no_count)
ut[9]:  the repitition of no 6 is: 1
```

```
In [10]: lst.clear()
         print('list:',lst)
ut[10]:  list: []
```

```
In [26]: list1=[3,6,8]
         list2=["rina","saniya","radhe"]
         list1.extend(list2)
         print('new list',list1)
ut[26]:  new list [3, 6, 8, 'rina', 'saniya', 'radhe']
```

#2.dictionary & its default functions#

```
In [1]: dit=
{"name":"yati","company":"bakerstable","passion":"baking&cooking","hobbie":"}
        dit
Out[1]:
        {'name': 'yati',
         'company': 'bakerstable',
         'passion': 'baking&cooking',
         'hobbie': 'coding',
         'interest': 'learing new things'}
```

```
In [2]:  dit.pop('name')
Out[2]:
         'yati'
```

```
In [3]:  dit.items()
Out[3]:
         dict_items([('company', 'bakerstable'), ('passion', 'baking&cooking'),
('hobbi
         e', 'coding'), ('interest', 'learing new things')])


In [4]:  dit.update({"age":"20"})
         print(dit)
out[4]:  {'company': 'bakerstable', 'passion': 'baking&cooking', 'hobbie':
'coding', 'in
         terest': 'learing new things', 'age': '20'}


In [8]:  dit.clear()
         print(dit)
ut[8]:   {}



      #3.sets and its default functions#


in[2]: st= {"yati","ironman",1,4,33,2,1,2,64,5.3,6.3,5.3}
       st
ut[2]: {1, 2, 33, 4, 5.3, 6.3, 64, 'ironman', 'yati'}


in[3]: st.clear()
       print('st after clear:',st)
ut[3]: st after clear: set()


in[4]: st= {"yati","ironman",1,4,33,2,1,2,64,5.3,6.3,5.3}
       st1= {"yati",1,"natasha",24,6,2}
       st.difference(st1)
ut[4]: {33, 4, 5.3, 6.3, 64, 'ironman'}


in[5]: st2={1,2}
       st.issubset(st2)
ut[5]: True


in[6]: st2.discard(1)
       print('st2=',st2)
ut[6]: st2= {2}
```

#4.string and explor default methods#

```
In [2]: company= "isro", mission="mangalyan"
        company
Out[2]: 'isro'


In [3]:  mission
Out[3]: 'mangalyan'


In [4]: type(mission)
Out[4]: str


In [6]: string="holds character"
        print(':',string)
ut [6]: : holds character


In [8]: company+"owns"+mission
Out[8]: 'isroownsmangalyan'
```

#5.tuple and explore default methods#

```
in[1]:  tup=("yati","#","at","home","#")
        tup
ut[1]:  ('yati', '#', 'at', 'home', '#')


in[2]:  tup.count("#")
ut[2]:  2


in[3]:  tup.index("home")
ut[3]:  3


in[4]:  tup1= ("hii",":)")
        tup1
ut[4]:  ('hii', ':)')


in[5]:  tup+tup1
ut[5]:  ('yati', '#', 'at', 'home', '#', 'hii', ':)')
```

```
in[6]:  tup.index("#")
ut[6]:  1
```