```
In [25]:  l=[1,2,3,4,6,78,9009,45,67,87]

In [2]:   l

Out[2]:   [1, 2, 3, 4, 6, 78, 9009, 45, 67, 87]
```

list functions

```
In [3]:   len(l)

Out[3]:   10

In [4]:   max(l)

Out[4]:   9009

In [5]:   min(l)

Out[5]:   1

In [6]:   list('arun kumar')

Out[6]:   ['a', 'r', 'u', 'n', ' ', 'k', 'u', 'm', 'a', 'r']
```

list methods

```
In [26]:  l.append(9550)

In [27]:  l

Out[27]:  [1, 2, 3, 4, 6, 78, 9009, 45, 67, 87, 9550]

In [10]:  l.clear()

In [11]:  l

Out[11]:  []

In [14]:  l.copy()

Out[14]:  [1, 2, 3, 4, 6, 78, 9009, 45, 67, 87, 9550]

In [18]:  a=l[::]#to create shallow copy of a list

In [19]:  l.count(1)

Out[19]:  1

In [29]:  l.extend('arun')

In [30]:  l

Out[30]:  [1, 2, 3, 4, 6, 78, 9009, 45, 67, 87, 9550, 'a', 'r', 'u', 'n']

In [31]:  l.index('a')

Out[31]:  11

In [32]:  l.insert(0,'varun')

In [34]:  l

Out[34]:  ['varun', 1, 2, 3, 4, 6, 78, 9009, 45, 67, 87, 9550, 'a', 'r', 'u', 'n']

In [35]:  l.pop()

Out[35]:  'n'

In [37]:  l.remove('a')

In [38]:  l

Out[38]:  ['varun', 1, 2, 3, 4, 6, 78, 9009, 45, 67, 87, 9550, 'r', 'u']

In [39]:  l.reverse()

In [40]:  l

Out[40]:  ['u', 'r', 9550, 87, 67, 45, 9009, 78, 6, 4, 3, 2, 1, 'varun']

In [41]:  l.sort(reverse=True)

          ---------------------------------------------------------------------
          ---
          TypeError                                 Traceback (most recent call la
          st)
          <ipython-input-41-27fdda638e8d> in <module>
          ----> 1 l.sort(reverse=True)

          TypeError: '<' not supported between instances of 'int' and 'str'

In [42]:  a=[12,4,7,9,34,87,4555,78,9]

In [46]:  a.sort(reverse=True)

In [47]:  a

Out[47]:  [4555, 87, 78, 34, 12, 9, 9, 7, 4]

In [49]:  a.sort()

In [50]:  a

Out[50]:  [4, 7, 9, 9, 12, 34, 78, 87, 4555]

In [ ]:
```