**3.3) Differentiate between append () and extend () methods?**

-> The 'append( )' and 'extend( )' methods are used to add new elements to a list in Python.

**1.Append( ) Methods-:**

-> 'append( )' method add a single element to the list at the end of the list.

**2.Extend( ) Methods-:**

-> 'extend( )' methods adds multiple elements to a list.

-> In short, if you want to add singale elementd in a list so you can use append( ) methods otherwise use extend methods.

E.x. for-:

#input (append( ) )

p=[10,20,30]

p.append(40)

print(p)

#output

[10,20,30,40]

-----------------------------------

#input (extend( ) )

p=[10,20,30,40]

s=[50,60,70,80]

p.extend(s)

print(p)

#output

[10,20,30,40] # before extend

[10,20,30,40,50,60,70,80] # after extend