```
#Data types

#Numeric datatype ----contains numeric values
    #Integer ------ Contains integer values(-infinity to infinity)(-1,3,5...)
    #Float  ------- Contains decimal point numbers(2.4,3.4....)
    #Complex ------ Contains real and imaginary numbers (3+2j)(7-2j)......



#Character datatype
     #string------character or sequance of character
     #list-------- ordered,mutalbe collection of multiple items that can be heter
     #tuple-------- ordered,immutable collection of items that can be hetergeneou
        #1 Ordered
        #2 mutable-------we can changese
        #3 multiple items
        #4 heterogeneous -----different data types
        #5 started and ended with 'square brackets'
    list1=[1,2,9.8,True,'hello']
    print(list1)

    #tuple-------ordered,immutable collection of items that can be heterogeneous
        #1 started end ended with parentheses
        #2 ordered
        #3 immutable-------we can not change
        #4 multiple items
        #5 heterogeneous
       tuple1=(1,2,9.8,True,'hello')
        print(tuple1)


    #list methods
      #append(), extend(), insert(), remove(),pop(),index(),count(),sort(),revers

    #append- adds a single element to the end of the list
    li=[1,7,8,9]
    li.append(10)
    print(li)

    #extend()------adds multiple elements or a new list to the exisiting list
      li.extend([1,2,3,4,5])
      print(li)


    #insert----adds the element to a specific position
    li.insert(2,100 )
    print(li )


     #remove-------removes a specific elements
                 # throws error if the element is not present
     li.remove(100)
     print(li)
```