Day-3

Tuples and List

Built in data type that stores the set of values  
It can store elements of different types  
mutable  
list uses []

#list\_name [starting\_idx : ending\_idx] #ending idx is not included

marks [1:4] is [64,33,95]  
marks [ : 4] is same as marks[0:4]  
marks[1 : ] is same as marks[1:len(marks)]  
marks[-3:-1] is [33,95]

marks = [85,94,76,63,48]  
print(marks[:4])  
print(marks[1:])

#List Methods

List = [2,1,3]  
list.append(4) #add one element at the end 2,1,3,4 O/P  
list.sort() #sorts in ascending order 1,2,3 O/P  
list.sort(reverse=True) #sorts in descending order 3,2,1 sorts in descending order  
list.reverse() #reverse list 3,1,2  
list.index(idx,el) #inserts element at index

#Tuples

A built-in data type that let us create **immutable** sequence of values.  
Tuple uses

Tup = (87,64,33,95,76)  
Tup [0] = 43 # not allowed in Python  
  
tup1 = ()  
tup2 = (1,)  
tup3= (1,2,3)