

**BRAIN INTERNATIONAL SCHOOL**

**SUBJECT: C.S.**

**CLASS-XI Assignment**

**October-2024**

Ch-11: List Manipulation Ch-12: Tuples

Q1. What is the difference between List and Tuples.

Q2. Explain Nested List.

Q3. Explain the following List methods.

(1) append( ) (2) extend( ) (3) insert( ) (4) count( ) (5) len( ) (6) sort( )  
(7) sorted( ) (8) remove( ) (9) max( ) (10) min( )

Q4. Write the difference between pop( ) and remove ( ) method.

Q5. WAP in Python to find the maximum and minimum elements in the list entered by the user.

Q6. Shipra is learning Python and working on List manipulation. Help her in writing the output statement of the following operation on given list.

1. list1 = [12,32,65,26,80,10]

list1.sort()

print(list1)

2. mylist = [1,2,3,4,5,6,7,8,9,10]

del mylist[:5]

print(mylist)

3. list1 = [1,2,3,4,5,6,7,8,9,10]

list1[::-2]

print(list1)

4. list1 = [1,2,3,4,5]

list1[len(list1)-1]

print(list1)

Q7. Explain any three methods of Tuples.

Q8. Define Nested Tuple. Explain with Example.

Q9. WAP in Python to remove an element '3' from the following tuple:

T1= (1,2,3,4,5)