BRAIN INTERNATIONAL SCHOOL

SUBJECT: C.S.   **CLASS-XI Assignment**

Ch-11: List Manipulation Ch-12: Tuples   Ch-13: Dictionaries

Q1. What is the difference between List and Dictionaries.

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[:4]

print(mylist)

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

list1[::-1]

print(list1)

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

list1[len(list1)-1]

print(list1)

Q7. Give the example of empty dictionary. Can dictionary be indexed?

Q8. Define Nested Tuple. Explain with Example.

Q9. WAP in Python to remove an element '2' from the following tuple:

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

Q10. What is the difference between Tuples and Dictionaries.

Q11. Explain the characterstics of Dictionaries.

Q12. Explain the following Dictionaries methods.

(1) len( ) (2) update( ) (3) copy( ) (4) clear( ) (5) get( ) (6) items( )

(7) keys( ) (8) values( ) (9) popitem( ) (10) min( ) (11) max( )

(12) sorted( )

Q13. Can list be used as key to dictionary? Justify your answer.

Q14. Tuples can be used as Keys in Python dictionaries. Explain.

Q15. WAP in Python to input 'n' names and phone numbers to store it in a dictionary and print the phone number of a particular name.

Q16. WAP to store student names and their percentage in a dictionary. Delete a particular student name from a dictionary. Also display the dictionary after deletion.

Q17. Differentiate between clear( ) function and del( ) statement.

Q18. WAP in Python to find number of occurrences of each letter prent in the string inputted by the user.

Q19. Write the diiference between List and Dictionaries.

Q20. WAP in Python to input a string from the userand find the number of occurrence of a particular character in the inputted string.