PRACTICAL ASSIGNMENT- 1

1. Write a Python program to sum all the items in a list

2. Write a Python program to get the largest number from a list.

3. Write a Python program to count the number of strings where the string length is 2 or more and the first and last character are same from a given list of strings.

   Sample List : ['abc', 'xyz', 'aba', '1221']

   Expected Result : 2

4. Write a Python program to remove duplicates from a list.

5. Write a Python function that takes two lists and returns True if they have at least one common member.

6. Write a Python program to generate all permutations of a list in Python.

7. Write a Python program to flatten a multi-dimensional list.

8. Write a Python program to get the frequency of the elements in a list, thereby generating a dictionary.

   Sample List: [1,2,1,1,1,'abs','a',0.4,1,2,5,32,27,2,7,1,'c']

   Expected Result: {1:6,2:3,'abs':1,'a':1………}

9. Write a Python program to check whether a list contains a sublist.

10. Write a Python program to convert list to list of dictionaries.

Sample lists: ["Black", "Red", "Maroon", "Yellow"], ["#000000", "#FF0000", "#800000", "#FFFF00"]

Expected Output: [{'color_name': 'Black', 'color_code': '#000000'}, {'color_name': 'Red', 'color_code': '#FF0000'}, {'color_name': 'Maroon', 'color_code': '#800000'}, {'color_name': 'Yellow', 'color_code': '#FFFF00'}]