Lab Exercise - 3

[Based on Python Data Types (String, List, Tuple & Conditional statements]

- Q1: Write a Python program to sum all the items in a list.
- Q2: Write a Python program to get the largest number from a list.
- Q3: Write a Python program to get the smallest number from a list.
- Q4: Write a Python program to display the first and last colors from the following list.
- color list = ["Red","Green","White","Black"]

Q5: Write a Python program to add 'ing' at the end of a given string (length should be at least 3). If the given string is already ends with 'ing' then add 'ly' instead.

Q6: The marks obtained by a student in 5 different Subjects are input through a keyboard. The Student gets a division as per the following rules.

- 1. Percentage above or equal to 60 First Division
- 2. Percentage between 50 and 59 Second Division
- 3. Percentage between 40 and 49 Third Division
- 4. Percentage less than 40 Fail

Write a python program to Display the result based on the above Criteria.

- Q7: write a Python program to find the largest number among the three input numbers
- Q8: Write a Python program to check if the input year is a leap year or not.
- Q9: write a Program to check if a string is palindrome or not

Q10: write a Program to sort alphabetically the words form a string provided by the user. [You can use split() method to split string into a list of words.]

Q11: Given a nested list. Write a python program to extend it with adding sub list ["h", "i", "j"] in a such a way that it will look like the following list

Given List:

Sub List to be added = ["h", "i", "j"]

Expected output:

Q12: Write a python program for Given a Python list, to find value 20 in the list, and if it is present, replace it with 200. Only update the first occurrence of a value

$$list1 = [5, 10, 15, 20, 25, 50, 20]$$

Expected output:

$$list1 = [5, 10, 15, 200, 25, 50, 20]$$