1. Write a Python program which accepts a sequence of comma-separated numbers from the user and generate a list and a tuple with those numbers.
2. Write a Python program to display the first and last colors from the following list.

color\_list = ["Red","Green","White" ,"Black"]

1. Write a Python program to get the difference between a given number and 17, if the number is greater than 17 return double the absolute difference.
2. Write a Python program to calculate the sum of three given numbers, if the values are equal then return three times of their sum.
3. Write a Python program to get a new string from a given string where "Is" has been added to the front. If the given string already begins with "Is" then return the string unchanged.
4. Write a Python program to find whether a given number (accept from the user) is even or odd, print out an appropriate message to the user.
5. Write a Python program to count the number 4 in a given list.
6. Write a Python program to check whether a specified value is contained in a group of values.

*Test Data* :

3 -> [1, 5, 8, 3] : True

-1 -> [1, 5, 8, 3] : False

1. Write a Python program to print all even numbers from a given numbers list in the same order and stop the printing if any numbers that come after 237 in the sequence.

*Sample numbers list* :

**numbers** = [386, 462, 47, 418, 907, 344, 236, 375, 823, 566, 597, 978, 328, 615, 953, 345, 399, 162, 758, 219, 918, 237, 412, 566, 826, 248, 866, 950, 626, 949, 687, 217,815, 67, 104, 58, 512, 24, 892, 894, 767, 553, 81, 379, 843, 831, 445, 742,717,958,743, 527 ]

1. Write a Python program to print out a set containing all the colors from color\_list\_1 which are not present in color\_list\_2.

*Test Data* :

color\_list\_1 = set(["White", "Black", "Red"])

color\_list\_2 = set(["Red", "Green"])

*Expected Output* :

{'Black', 'White'}

1. Write a Python program to hash a word.
2. Write a Python program to filter the positive numbers from a list.
3. Write a Python program to check whether lowercase letters exist in a string.
4. Write a python program to convert decimal to hexadecimal.
5. Bubble Sort