**DAY 7**

1. create a dictionary by placing key: value pairs.

(i) Print the value of a dictionary item for the specific key.

(ii) Add an item to a dictionary by assigning a value to a new key.

(iii) Remove an element from a dictionary.

(iv) Change the value of a dictionary element by referring to its key.

(v) iterate through dictionary keys one by one.

(vi) Find length of the dictionary.

2.  (i) Initialize two sets (s1 and s2)

(ii) Take a few integer numbers from the user (with proper prompt) for set s1 and a few for set s2.

Some numbers may be common to both and some may be unique.

(iii) Now ask the user, which set operation (Union, Intersection, Set Difference, Symmetric difference) he/she wishes to carry out.

(iv) Depending on the input, carry out the operation and show the result to the user in appropriate format.

3. You are given a list L. Write a program to print first prime number encountered in the list L.(Treat numbers below and equal to 1 as non prime)

4. Create a list with n numbers. accept n from user. Some elements are repeated in the list. Find indices of a number which occurred multiple times in list.

5. Create a list. Sort the list elements using customized sort function . Where key function return abs(n-50) .

Sample:

list=[100,50,65,82,23]

Resultlist=[50,65,23,82,100]

6. Write a program to combine two lists into a dictionary. 1st list contains roll no from 1 to 25 and second list reads names from a file.