

## **Assignment No.6**

### **Sequences**

- 1) Write a python script calculate length of the string. String is given by user.
- 2) Write a python script to count vowel in a given string.
- 3) Write a python script to reverse a string.
- 4) Write a python script to count occurrence of a given character in a given string.
- 5) Write a python script to count words in a given string.
- 6) Write a python script to arrange word in a given string in alphabetical order.
- 7) Write a python script to sort a list given by user.
- 8) Write a python script to find greatest number in the list of integers of the list given by user.
- 9) Write a python script to calculate sum of all the integers of the list given by user.
- 10) Write a python script to create a list of square of first n natural number use for loop to fill list with elements. Values of n taken from user.
- 11) Write a python script to print indices of all occurrence of a given element in a given list.
- 12) Write a python script to calculate sum of all even number and sum of all odd number of the list. List data given by user.
- 13) Write a python script to sort a tuple.
- 14) Write a python script to merge two sorted tuple.
- 15) Write a python script to reverse a tuple.
- 16) Write a python script to count element in the tuple.
- 17) Write a python script to calculate sum of the elements of the tuple. Tuple input is taken from keyboard (all values are of int type).
- 18) Write a python script to find greatest number from a tuple of int value.

- 19) Write a python script to check whether a tuple is a subset of another tuple or not.
- 20) Write a python script to print dict item (key, value) each in one line.
- 21) Write a python script to create a dictionary in which each item is a pair of Roll number (as key and student Name as value).
- 22) Write a python script to sort a dict according to key.
- 23) Write a python script to sort a dict according to VALUE.
- 24) Write a python script to take dictionary from the keyboard and print the sum of values.
- 25) Create a list with data 1,22,11,33,22, and 77,44 then count the number 22 in a given list.
- 26) Write a program to display the first and last colors from the following list.  
Given list  

```
color_list = ["Red","Green","White" ,"Black"]
```
- 27) Create a Student list with at least 10 student input a student from user, use name as k values and append the list with 4 Subjects in dictionary for each student. Perform the following on the List formed.
  - i)remove the element at index 1
  - ii)remove the last element
  - iii)print the list in reverse order
- 28) Create a String and perform the following functions on it:
  - i) To check the length of String
  - ii) to convert the String to uppercase
  - iii) to capitalize the String
  - iv) to traverse the String using for loop