**Lab 7**

(No library functions should be used)

Q1. Write a program to accept 10 numbers from a user in an array. Arrange them in ascending order. Also find the maximum number in the array.

Q2. Take two strings from the user in two different arrays. Write a program to compare two strings based on their ASCII value and print the larger one. (HINT: stop at the first difference in characters).

Q3. Write a program to **find** a substring. Take a string from the user and save it in an array. Take the substring (to be found) from the user. If the substring is present, display the starting position. If the substring is not found display “Substring not found”.

Q4. Write a program to **extract** a substring. Take a string from the user and save it in an array. Take the position from where the substring is to be extracted and the length of the substring to be extracted. Display the substring. Handle all the test cases.

Q5. Write a program to copy the one string, str2 into another string, str1. Display both the strings.

Str1: World

Str2: Hi

Output Str1:HiWorld

Handle all the test cases.

Q6. Write a program to append the contents of string str2 to string str1. Display both the final strings.

Str1: World

Str2: Hi

Output Str1:WorldHi

Q7. Write a program to sort a string in ascending order. Do it on the basis of the ASCII values.