B.Sc(IT) 1st Semester
Subject: Fundamentals of Programming using C-1
ProblemSheet - 3

1) Write a C program to sort an array of 20 integers.
2) Write a C program to count prime numbers in an array of 10 integers.
3) Write a C program to calculate sum of all elements of an array of 10 integers.
4) Write a C program to reverse the integer array.
5) Write a C Program to concatenate string without using in built string functions.
6) Write a C Program to concatenate N characters from target string without using in built string functions.
7) Write a C Program to compare two strings without using in built string functions.
8) Write a C Program to compare n characters of two strings without using in built string functions.
9) Write a C program to copy one string into another string without using inbuilt functions.
10) Write a C program to copy N characters of one string into another string without using inbuilt functions
11) Write a C Program to reverse the string.
12) Write a C Program to check whether a given string is palindrome or not.
13) Write a C Program to count total no. vowels and consonant in a given string.
14) Write a C Program to perform following matrix operation on a 2D array (4 X 3)
        Addition, Subtraction, Multiplication, Transpose
15) Write a C Program to find largest element row wise and column wise in 2D array.
16) Write a C Program to find smallest element row wise and column wise in 2D array.
17) Write a C Program to perform sorting row wise in 2D array.
18) Write a C Program to perform sorting column wise in 2D array.
19) Write a C Program to calculate sum of all elements row wise in 2D array.
20) Write a C Program to calculate sum of all elements column wise in 2D array.
21) Write a C Program to calculate sum of all elements in 2D array.
22) Write a C Program to delete specific element from an array.
    (A user will enter the position at which the array element deletion is required. Deleting an element does not affect the size of the array. It also checks whether deletion is possible or not, for example, if an array contains five elements and user wants to delete the element at the sixth position, it isn't possible.)
23) Write a C Program to delete a specific character from a string.
24) Write a C Program to merge two array in third array and sort it.
25) Write a C program to sort the characters in the given string.
26) Write a C Program to insert a specific character entered by user at specific location in the given string. For e.g. String= "Entertainment" Character to be added is "i" and position is 7 then resultant string must look like "Entertainment"