Lab-1(Arrays(1D&2D),Structures,Pointers)

(Programming Language to be used:- C)

(Submission Date:- 10-07-2017)

1. Create an integer array of size 10, read and store values into it.

Perform Linear Search in the array.

Repeat the above question for an array of size ‘n’. (Hint- Use dynamic memory allocation).

1. Create a character array of size 10, read characters into it. Print the alphabets which are vowels/special characters/digits. Print the count of vowels/special characters/digits.
2. Create a 2D array to read a 3\*3 matrix. Write functions to do the following tasks:-

Print the even elements present

Print sum of elements of each row

Print the sum of elements above the diagonal(elements in say A[i..j] where i<j)

1. Create a 2D array of size n\*n(Use dynamic allocation). Read a matrix into it and determine whether the entered matrix is symmetric.

Hint:-

1. Create an application to store the details of 10 students.

Write a function

1. to search the details of a student.
2. to edit address of a student.