**PRACTICAL SET 2**

**Aim:** Implementation of Array, String and pointer concepts.

Array is a collection of homogeneous elements, i.e. elements belonging to same data type. String is a sequence of characters, more specifically, it can be called a character array. Pointer stores address of another variable. All three make up the derived data types in C language. This practical helps the student to understand logical manipulation of these types through implementation.

**Requirements:**

1) A desktop computer system

2) Code Blocks IDE

|  |  |
| --- | --- |
| 1 | WAP to take 10 values from the user and store them in an array and Print the elements stored in the array. |
| 2 | WAP to find out the average of n numbers using arrays |
| 3 | WAP to get positive integers from a user into an array of size 10 and calculate the number of odd and even integers in the array. |
| 4 | Write a program in C to copy the elements of one array into another array |
| 5 | (a) WAP to insert an element from the given array.  (b) WAP to delete an element from the given array. |
| 6 | WAP to search an element and its position from the given array. |
| 7 | WAP to merging an element from the given two array. |
| 8 | WAP to find the minimum(smallest) and maximum(largest) value and its position in array from the given numbers using array. |
| 9 | 1. WAP to find first 2 maximum number form the given value or number using array. 2. WAP to find first 2 minimum number form the given value or number using array. |
| 10 | 1. WAP to find Sum of N Input Numbers using Array 2. WAP to get a set of positive integers from user and store it in an array of size 10. Calculate the sum of odd integers and product of even integers. |
| 11 | 1. WAP to sort an array Ascending order 2. WAP to sort an array Descending order |
| 12 | WAP to print a given array in reverse order |
| 13 | WAP to delete the repeated value from the elements of an array. |
| 14 |  |