Array

Lab Programs

1. Input values into an array and display them
2. Add all the elements of an array
3. Count the even and odd numbers in a array
4. Copy the elements of an array to another array
5. Find the largest and smallest element in an array
6. Reverse the elements of an array
7. Convert a decimal number to binary number using array
8. Search an element in an array using linear search
9. Search an element in an array using binary search
10. Sort the elements of an array (use selection sort)

Homework Programs

1. Insert an element to an array at a position. Position will be given by the user.
2. Delete an element from an array.
3. Merge two sorted arrays into a third array. The output array must be sorted.
4. Let there be an array of ***n*** distinct elements, write a program to find all the elements in the array which have **at-least two** smaller elements than themselves. For example: Input: a[5] = {20, 80, 70, 10, 50};

   Output: 80, 70, 50

5. Perform the union and intersection of two integer arrays. (In union, the common elements must come once)