LAB-I

Date: **July 01, 2024**.

1. Given an array A having n integers. Write a program to find the largest element in A.

   Sample Input: First line denote the size of A and next line denotes the elements of A.

   5
   3 1 5 4 2
   Output: 5

2. (a) Given an array A having n integers and an integer k. Write a program to check whether the element k exists (present) in A or not.

   Sample Input 1: First line denote the size of A, second line denotes the elements of A and the last line denote the value of k

   5
   3 7 5 4 9
   8
   Output: 8 is not present in A

   Sample Input 2:
   5
   3 7 5 4 9
   7
   Output: 7 is present in A

   (b) Given a SORTED array A having n integers and an integer k. Write a program to check whether the element k exists in A or not.

   What did you learn after solving above two questions.

3. Given an array A having n integers. Write two different programs to sort the elements of A in ascending order.

   Sample Input 1: First line denote the size of A and the second line denotes the elements of A

   5
   3 7 5 4 9
   Output: 3 4 5 7 9