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package Java100daysofcode;

import java.util.Arrays;
import java.util.Scanner;

public class Day47 {
    public static void main(String[] args) {

        //Program to find longest palindrome in an array.
        Scanner input= new Scanner(System.in);
        System.out.println(" Enter the length of the array ");
        int length= input.nextInt();

        System.out.println(" Enter the element of the Array ");
        int arr[]=new int[length];

        for(int i=0;i<length;i++){
            arr[i]= input.nextInt();
        }

        int ans= largestPalindrome(arr,length);
        System.out.println( "the largest palindrome is " +ans);
    }
    static int largestPalindrome(int arr[], int n)
    {
        Arrays.sort(arr);
        for (int i = n - 1; i >= 0; --i) {

            if (isPal(arr[i]))
                return arr[i];
        }

        return -1;
    }

    static boolean isPal( int num){
        int a,pal=0;
        int x=num;
        while(num>0){
            a= num%10;
            pal= (pal*10)+a;
            num=num/10;
        }
        return true;
    }
}

```