Day 47 coding Statement : Write Program to find longest palindrome in an array

Description

Get an array as the input from the user and find the longest palindrome in that array.

Input

Enter the size of array

3

Enter the elements of array

121 10456 1000001

Output

1000001

```java
import java.util.*;

public class Program {
    static boolean check(int n) {
        int div = 1;
        while (n / div >= 10)
            div *= 10;
        while (n != 0) {
            int x = n / div;
            int y = n % 10;
            if (x != y)
                return false;
            n = (n % div) / 10;
            div = div / 100;
        }
        return true;
    }

    static int largestPal(int[] arr, int n) {
        int res = -1;
        for (int i = 0; i < n; i++) {
            if (arr[i] > res && check(arr[i]))
                res = arr[i];
        }
        return res;
    }

    public static void main(String[] args) {
        int n;
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the size of the array: ");
```

```java
        n = sc.nextInt();
        int[] arr = new int[n];
        System.out.println("Enter the array elements: ");
        for (int i = 0; i < n; i++) {
            arr[i] = sc.nextInt();
        }
        System.out.println("Longest Palindrome: " + largestPal(arr, n));
    }
}
```