

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

```
import java.util.Scanner;

public class RatanPrajapati_day47 {
    public static boolean palindrom(int n) {
        int temp = n;
        int a = 0, sum = 0;
        while (n > 0) {
            a = n % 10;
            sum = sum * 10 + a;
            n /= 10;
        }
        if (temp == sum) {
            return true;
        } else {
            return false;
        }
    }

    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter the size of array");
        int size = sc.nextInt();
        int[] arr = new int[size];
        int maxNum = Integer.MIN_VALUE;
        System.out.println("Enter the elements of array");
        for (int i = 0; i < size; i++) {
            arr[i] = sc.nextInt();
            if (palindrom(arr[i])) {
                maxNum = Math.max(maxNum, arr[i]);
            }
        }
        System.out.println(maxNum);
    }
}
```

```
        maxNum = Math.max(maxNum, arr[i]);
    }
}
if (palindrom(maxNum)) {
    System.out.println(maxNum);
} else {
    System.out.println("Palindrom is not there in the Array");
}
}
```