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

Program :

```
package com.talentbattle.codingchallenge;

import java.util.Scanner;

public class Longest_palindrome {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		Scanner scan = new Scanner(System.in);
		System.out.println("Enter the length of Array");
		int n = scan.nextInt();
		int arr[] = new int[n];
		int check = 0;
		int max = 0;
		System.out.println("Enter the Arrray Elements : ");
		for(int i = 0; i <= arr.length - 1; i++ )
		{
			arr[i] = scan.nextInt();
		}
		for(int i = 0; i <= arr.length - 1; i++)
		{
			check = palindrome(arr[i],check);
			//System.out.println(check);
			if(arr[i] == check)
			{
				if(arr[i] > max)
				{
					max = arr[i];
				}
			}

		}
		System.out.println("Longest Palindrome is " + max);
	}
	private static int palindrome(int j, int rev) {
```

```
            // TODO Auto-generated method stub
            int rem = 0;
            rev = 0;
            while(j != 0)
            {
            rem = j %10;
            rev = (rev*10) + rem;
            j = j/10;
            }
            return rev ;
        }

}
```