

Day 43 coding Statement : Write Program to find the array type

Description : Get an array as input from the user and check the type of the array, whether it is odd, even or mixed type.

Input : Enter size of array :

3

Enter elements

1 3 5

Output : Odd

Program :

```
package com.talentbattle.codingchallenge;

import java.util.Scanner;

public class Array_type {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        Scanner scan = new Scanner(System.in);
        System.out.println("Enter the array length : ");
        int n = scan.nextInt();
        int arr[] = new int[n];
        int odd = 0;
        int even = 0;

        System.out.println("Enter the array elements : ");
        for(int i = 0; i<=arr.length - 1;i++)
        {
            arr[i] = scan.nextInt();
        }

        for(int i = 0; i <= arr.length - 1;i++)
        {
            if(arr[i] % 2 == 0)
            {
                even++;
            }
            else
            {
                odd++;
            }
        }

        if(even == n)
```

```
        {
            System.out.println("Even");
        }
        else if(odd == n)
        {
            System.out.println("Odd");
        }
        else
        {
            System.out.println("Mixed");
        }
    }
}
```

