

Day 42 coding Statement : Write Program to check if two arrays are the same or not

Description : Get two arrays as the input from the user and check whether it is the same or not.

Input : Enter the size of first array :

3

Enter the size of second array :

3

Enter elements of first array :

1 2 3

Enter elements of second array :

1 2 3

Output : Same

Program :

```
package com.talentbattle.codingchallenge;

import java.util.Scanner;

public class Equal_arrays {

    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 1 : ");
        int n1 = scan.nextInt();
        int arr1[] = new int[n1];
        System.out.println("Enter the length of Array 2 : ");
        int n2 = scan.nextInt();
        int arr2[] = new int[n2];
        int equal = 1;

        System.out.print("Enter the Array 1 Elements : ");
        for(int i = 0; i < n1; i++)
        {
            arr1[i] = scan.nextInt();
        }

        System.out.println();
        System.out.print("Enter the Array 2 Elements : ");
        for(int i = 0; i < n2; i++)
        {
```

```

        arr2[i] = scan.nextInt();
    }

    System.out.println();
    System.out.println("Array 1 Elements are : ");
    for(int i = 0; i < n1; i++)
    {
        System.out.print(arr1[i] + " ");
    }

    System.out.println();
    System.out.println("Array 2 Elements are : ");
    for(int i = 0; i < n2; i++)
    {
        System.out.print(arr2[i] + " ");
    }
    System.out.println();

    if(arr1.length == arr2.length)
    {
        for(int i = 0; i <= arr1.length - 1; i++)
        {
            if(arr1[i] != arr2[i])
            {
                equal = 0;
            }
        }
    }
    else
    {
        equal = 0;
        System.out.println("Array size Not Same");
    }

    if(equal != 0)
    {
        System.out.println("Same");
    }
    else
    {
        System.out.println("Not Same");
    }
}

}

```

