https://course.acciojob.com/idle?question=4fd07c50-1cdf-488e-befd-e68b4b371c24

- EASY
- Max Score: 30 Points

Check whether Array is a Palindrome using Recursion

Given an array `arr` of length `n`, you have to find whether the given array is a palindrome using recursion.

Note: A palindrome is an array which reads the same both forwards and backwards.

Input Format

First line consists of an integer `n`, the number of elements in the array

Second line consists of `n` spaced inetegrs, representing the array `arr`.

Output Format

Print true if the array is a palindrome else print false.

Example 1

Input

```
4
4 3 2 10
```

Output

```
false
```

Explanation

Backwards, it reads 10, 2, 3, 4 which is not the same

Example 2

Input

```
5
1 2 3 2 1
```

Output

```
true
```

Explanation

Backwards it reads 1, 2, 3, 2 1 which is the same.

Constraints

1 <= `n` <= 10^3

-10^4 <= `arr[i]` <= 10^4

Topic Tags

- **Recursion**
- **Arrays**

My code

```
// in java
import java.util.*;

public class Main {
        static void fun(int[] arr, int begin, int end) {
```

```
    // Write your code here
                int f=0;
                while(begin<end)
                        {
                                if(arr[begin++]!=arr[end--])
                                {
                                        System.out.println("false");
                                        return;
                                }
                        }
                System.out.println("true");
    }
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        int n = sc.nextInt();
        int[] arr = new int[n];
        for (int i = 0; i < n; i++)
            arr[i] = sc.nextInt();

       int t=0;
       fun(arr, t,n-1);
    }

}
```