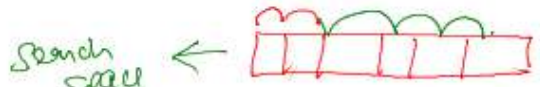
Arrays : Searching → Linear Search



(0 to arr.length-1)

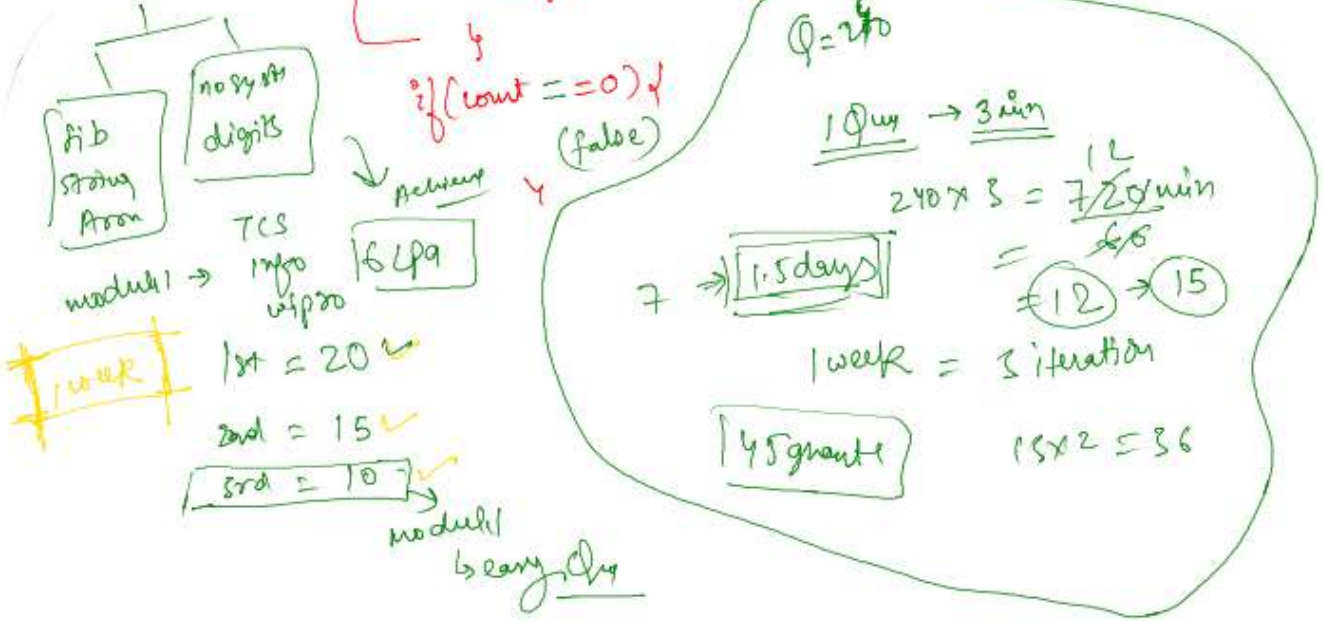
```
if(arr[i] == target) {
    sysout(true)
}
sysout(false);
```

Question

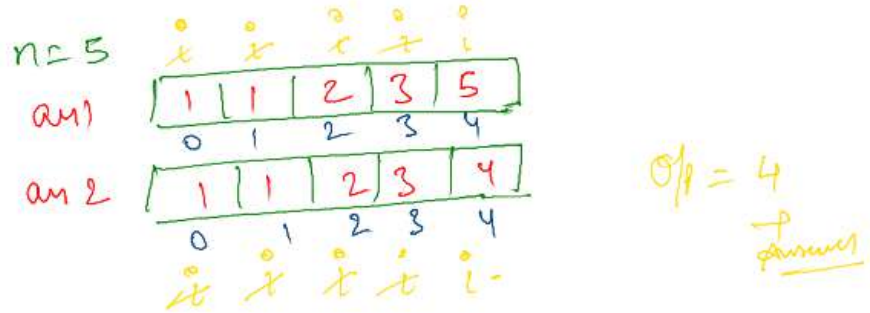
tar = 41

count = 0; ✓

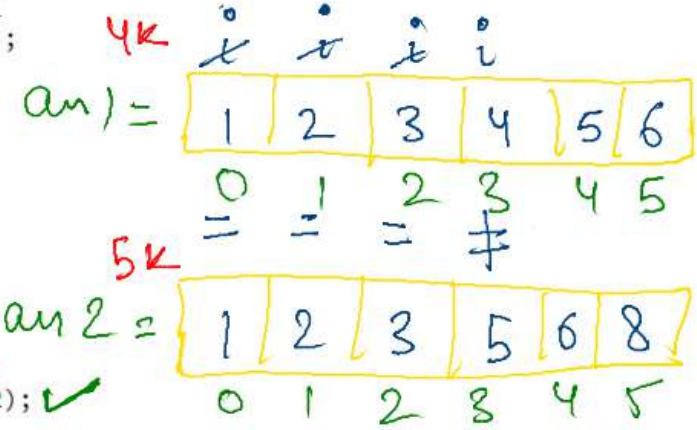
```
for ( ) {
    if(arr[i] == target) {
        sysout(true)
        count = 1;
    }
}
if(count == 0) {
    sysout(false)
}
```

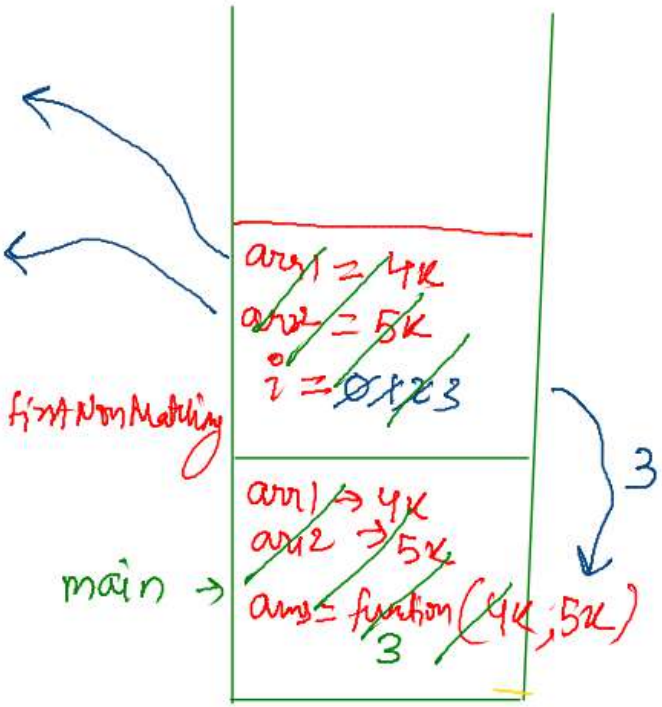


Question

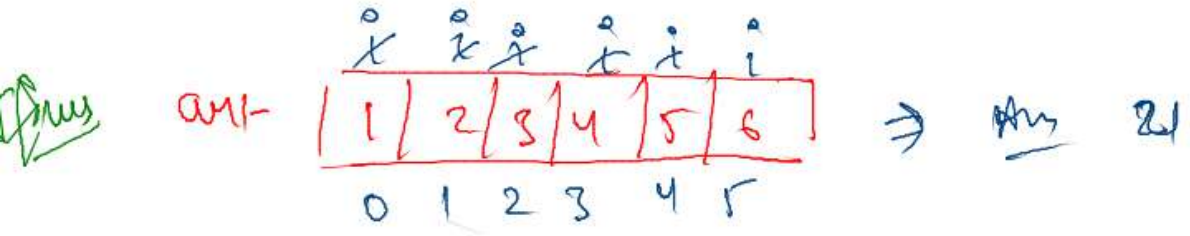



```java
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr1= new int[n];
    int[] arr2 = new int[n];
    for(int i =0;i<=arr1.length-1;i++){
        arr1[i]= scn.nextInt();
    }
    for(int i =0;i<=arr2.length-1;i++){
        arr2[i]= scn.nextInt();
    }

    int ans = FirstNonMatching(arr1,arr2);
    System.out.println(ans);
    /* Enter your code here. Read input from STDIN. Print output to STDOUT. Your class
}

public static int FirstNonMatching(int[] arr1, int[] arr2){
    for(int i=0;i<=arr1.length-1;i++){
        if(arr1[i]!= arr2[i]){
            return i;
        }
    }

    return -1;
}
```





o/p = 3



sum = 0;

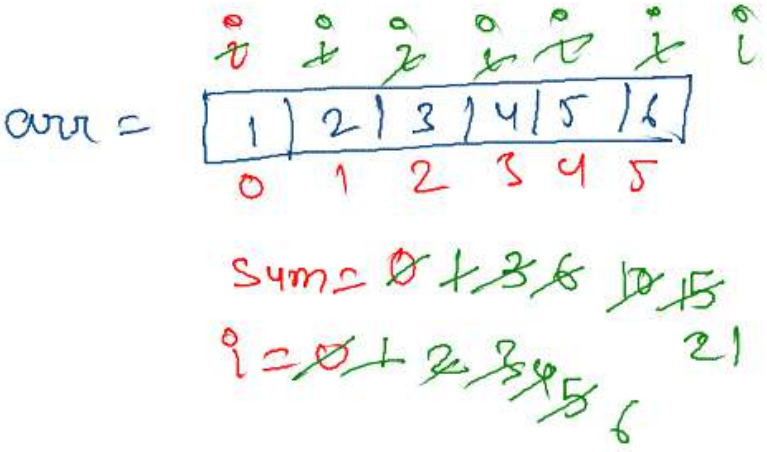
for(0 to arr.len)

sum += arr[i];

}

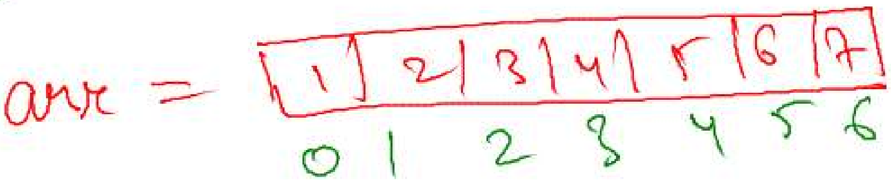
Syso(sum);

```
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    int n = scn.nextInt();
    int[] arr = new int[n];
    for(int i=0;i<=arr.length-1;i++){
        arr[i]= scn.nextInt();
    }

    int sum=0;

    for(int i=0;i<=arr.length-1;i++){
        sum +=arr[i];
    }
    System.out.println(sum);
    /* Enter your code here. Read input from STDIN. Print output to
}
```



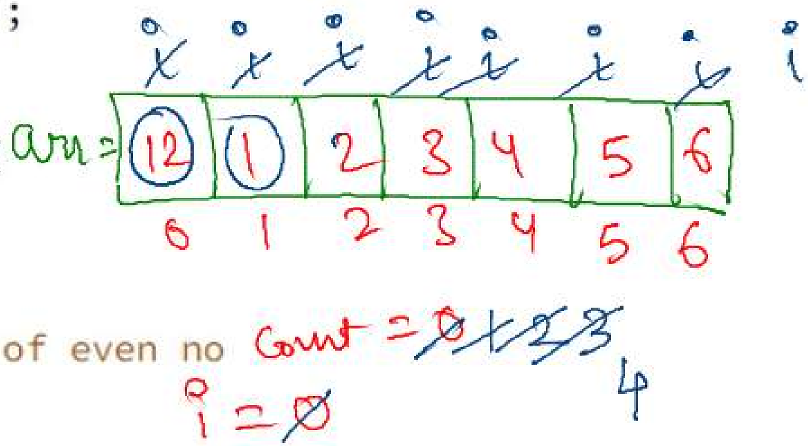
→ 21 Ans

Question   Count Even

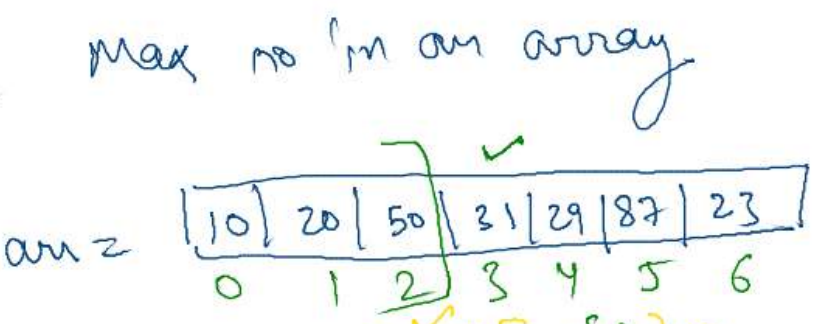


count = # of even no's :->

```
public static void main(String[] args) {
    Scanner scn= new Scanner(System.in);
    int n= scn.nextInt();
    int[]arr= new int[n];
    for(int i=0; i<=arr.length-1; i++){
        arr[i]= scn.nextInt();
    }
    int count=0;
    //travel through array and count # of even no
    for(int i=0;i<=arr.length-1;i++){
        if(arr[i]%2==0){
            count++;
        }
    }
    System.out.println(count);
    /* Enter your code here. Read input from STDIN. Print output to STDOU
}
```



Qu max no in an array



max = 87

Integer.MIN_VALUE

max = [-∞], [arr[0]]

max = 50

```
for( i to arr.length-1) {
    if( max < arr[i]) {
        max = arr[i];
    }
}
Sysо(max);
```