



2-5 minutes

## Print Reverse Alternate

$i = n-1; i \geq 0; i--$

$j = 0; j < n; j++$

Problem

Submissions

Leaderboard

Discussions

Given an integer  $n$ , the task is to define an array `arr[]` of size  $n$ . Print only the alternate elements in reverse order starting from the  $n$ th index, last element i.e.,

print elements at index  $\rightarrow (n-1), (n-3), (n-5), (n-7), \dots$  and so on till the end.

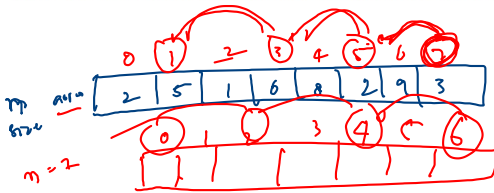
Note :-  $n$  is the size of the array and last element of the array is at index,  $n-1$ .

Input Format

1. An integer  $n$ , which is the size of the array `arr[]`
2.  $n$  integers each in a new line, depicting the elements of the array `arr[]`

$(0, 7)$

$n=8$



for ( $i = n-1; i \geq 0; i--=2$ )  
 $\{$   
 $\quad \text{exp(arr[i]);}$   
 $\}$

$i \rightarrow \text{index}$

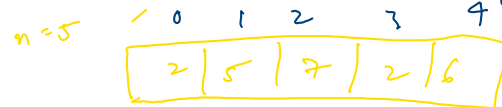
$\text{arr}[i] \rightarrow \text{element}$

$i=2 \rightarrow \text{index}$

$\text{arr}[2] = 7$



$i=5 \geq 0$  (T)  $\Rightarrow$  6  
 $i=3 \geq 0$  (T)  $\Rightarrow$  1  
 $i=1 \geq 0$  (T)  $\Rightarrow$  5  
 $i=-1 \geq 0$  (F)



$i=4 \geq 0$  (T)  $\Rightarrow$  6  
 $i=2 \geq 0$  (T)  $\Rightarrow$  7  
 $i=0 \geq 0$  (T)  $\Rightarrow$  2  
 $i=-2 \geq 0$  (F)

# Odd Even 11

Problem

Submissions

Leaderboard

Discussions

5 minute

Write a Java Program to print Odd and Even numbers from an integer Array

## Input Format

First line of input contains integer n denoting the size of array. Next line of input contains n space separated integers denoting the elements of array.

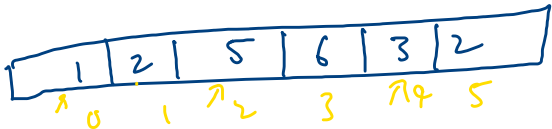
### Sample Input 0

6  
1 2 5 6 3 2

### Sample Output 0

1 5 3  
2 6 2

n = 6



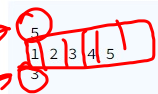
$arr[i] \% 2 == 0 \rightarrow \text{even}$   
 $arr[i] \% 2 != 0 \rightarrow \text{odd}$

$i \rightarrow \text{index}$   
 $arr(i) = \text{value}$

$i = 2$   
 $arr(2) = 5$

Given an array, the task is to write a Java program to check whether a specific element is present in this Array or not.

Sample Input 0



Sample Output 0

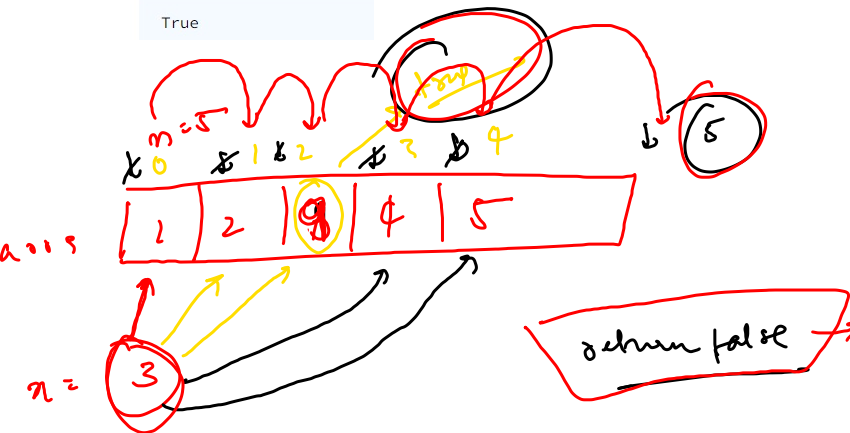
True

Given element

present → True.  
x → False

One by one → element search

Linear search



# Find the First Index

Problem

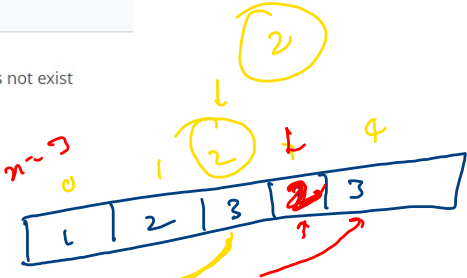
Submissions

Leaderboard

Discussions

You have given array of n element and key . you need to find the first index in the array . If key does not exist then return -1.

ans ~~1 2 3 4~~  
ans = 1 2 3 4  
return ans;



true → 0  
false → -1

Sample Input 0

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

Sample Output 0

2

