

Find the last index of the Key

Problem	Submissions	Leaderboard	Discussions
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You have given an array of element of length n . And followed by n element and you have given key , you need to find the last index of the key in the given array . If not find then return -1.

Input Format

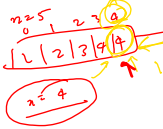
first line is n
second contains n integers
third line contains key

5
1 2 3 4 4
n = 5

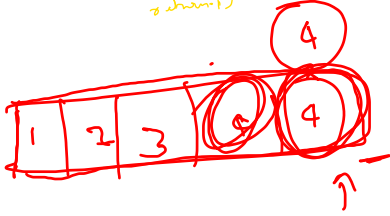
Sample Output 0

4

first index



last index



```
Q = n-1 to 0
for (int i = n-1; i >= 0; i--)
{
    if (arr[i] == x)
        return i;
}
```

```
for (int i = n-1; i >= 0; i--)
{
    if (arr[i] == x)
        return i;
}
```

```
M-2
i = 0 to n
int ans = -1;
for (int i = 0; i < n; i++)
{
    if (arr[i] == x)
        ans = i;
}
```



```
i = 0 < 5 (1)  x = 4  ans = -1
i = 1 < 5 (1)  ans = -1
i = 2 < 5 (1)  ans = -1
i = 3 < 5 (1)  ans = 3
i = 4 < 5 (1)  ans = 4
i = 5 < 5 (F) x
ans = 4
```

Dry Run

Prime printing 1

Problem

Submissions

Leaderboard

Discussions

Write a Java program to print all Prime numbers between 1 to n.

Output Format

Print Prime numbers upto N with space separation.

Sample Input 0

5

Sample Output 0

2 3 5

$n = 5$
2, 5
↳ prime

```
for(int i=2; i<=n; i++)  
{  
    int num=i;  
    for  
1.
```

Sum of all Elements of Array

Problem

Submissions

Leaderboard

Discussions

You have given an array, you have to calculate the sum of all elements of array.

Input Format

Size of array

Sample Input 0

3
9 8 9

Sample Output 0

26

for (int i=0; i<n; i++)

n=3

9 8 9

```
int sum = 0;
for (int i = 0; i < n; i++)
{
    sum = sum + arr[i];
}
return sum;
```

i=0 < 3 (T) sum = 0+9 = 9
i=1 < 3 (T) sum = 9+8 = 17
i=2 < 3 (T) sum = 17+9 = 26
i=3 < 3 (F)

GKSTR35 Count_Even

Problem

Submissions

Leaderboard

Discussion

Given an integer n , the task is to define an integer array `arr[]` of size n &

Print the Count / Number of even elements in the array.

Input Format

1. An integer n , which is the size of the array `arr[]`

Sample Input 0



Sample Output 0



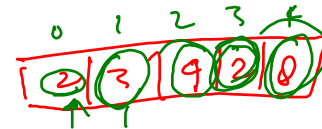
```
int count = 0;
```

```
for (int i = 0; i < n; i++)
```

```
{  
    if (arr[i] % 2 == 0)
```

```
{  
        count++;
```

```
    }  
}  
  
return count;
```



$i = 0 < 5 (T)$ count = 1

$i = 1 < 5 (T)$ count = 1

$i = 2 < 5 (T)$ count = 2

$i = 3 < 5 (T)$ count = 3

$i = 4 < 5 (T)$ count = 4

$i = 5 < 5 (F)$

Maximum of Array

Problem

Submissions

Leaderboard

Discussions

For the given array having N elements, find the maximum element of the array.

Sample Input 0

```
5
1 2 3 4 5
```

Sample Output 0

5

$\left\{ \begin{array}{l} n=5 \\ arr = [1, 2, 3, 4, 5] \end{array} \right\}$

$int\ max = arr[0];$

$for(int\ i = 1; i < n; i++)$

$\{ \text{if}(arr[i] > max) \{ \underline{max} = \underline{arr[i]}; \}$

$\}$
 $\text{return } \underline{max};$

$max = 1;$

$i = 1 < 5(1) \quad 2 > 1 \Rightarrow \underline{max} = 2$

$i = 2 < 5(1) \quad 3 > 2 \Rightarrow \underline{max} = 3$

$i = 3 < 5(1) \quad 4 > 3 \Rightarrow \underline{max} = 4$

$i = 4 < 5(1) \quad 5 > 4 \Rightarrow \underline{max} = 5$

$i = 5 < 5(F)$