https://panchalprogrammingacademy.github.io/course-problem-deck/#/problem/60125e436cbcd50015ee5ecf

Linear Search

75 POINTS

Write a program to find a key in a given array.

Input format:
First line of input contains an integer N denoting the size of the array.
Second line of input contains N space separated integers denoting the elements of the array
Third line of input contains an integer denoting the key to be searched in the array.

Output format:
A single line of integer denoting the 0-based index of first occurrence of the key in the array. If it does not exist then print -1.

Constraints:

1. $0 \le N \le 10^5$
2. $0 \le array[i] \le 10^9$

Test Case - 1
5
1 2 3 4 5
3
2

Test Case - 2
10
29 0 4 87 45 13 83 67 54 90
54
8

Test Case - 3
10
29 0 4 87 45 13 83 67 54 90
100
-1

Test Case - 4
10
29 0 4 87 45 13 45 67 54 90
45
4

Problem tags:

THE COMPLETE C COURSE   EASY   ARRAYS