package Com.Lession5.LinearDemo;

import java.util.Scanner;

public class BinarySearchDemo {

public static void main(String[] args) {

int arr[] = {11,89,66,56,45,90,77};

System.out.println("Enter key for linear search");

Scanner scanner = new Scanner(System.in);

int key = scanner.nextInt();

int result =linearSearch(arr, key);

if(result == -1) {

System.out.println("Element not found");

}

else {

System.out.println("Element found at index "+result);

}

}

public static int linearSearch(int arr[],int key) {

int len = arr.length;

int index = -1;

for (int i = 0; i < len; i++) {

if(arr[i] == key) { // if key found in given array

index = i; // index value will update

}

}

return index;

}

}