//To print linear search algorithm//

#include <stdio.h>

int linear\_search(int arr[],int ele,int n);

Void main()

{

int n, ele;

printf(“enter the size of array:”);

scanf(“%d”,&ele);

int arr[n];

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

{

printf(“enter any integer”);

scanf(“%d”,&ele);

linear\_search(arr,ele,n);

}

int linear\_search(int arr[],int ele,int n)

{

int found=0;

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

{

if found=0;

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

{

if(arr[i] == ele)

found = 1

}

if(found == 1)

printf(“element is found”);

else

printf(“element is not found”);

}

Output:

Enter the size of an array: 4

Enter the elements of the array: 2,3,4,5

Enter the element to be searched: 3

The element is in the list and its position is: 2