**Program:**

**1)Linear Search:**

#include<math.h>

#include<stdio.h>

#include<stdlib.h>

int main()

{

int i,n,elem,a[100];

printf("enter the number of element in array\n");

scanf("%d",&n);

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

scanf("%d",&a[i]);

}

printf("enter the element toSearch\n");

scanf("%d",&elem);

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

if(a[i]==elem)

{

printf("The position of element is:%d",i+1);

}

}

return 0;

}

Output:

