

```

#include<stdio.h>
int count=0;//global variable
int linearSearch(int a[],int range,int item)
{
    int i;
    count++;
    count++;
    for (i = 0; i < range; i += 1)
    {
        count++;
        if (item == a[i])
        {
            count++;
            return i+1;
        }
        count++;
    }
    count++;
    return -1;
}

void main()
{
    int a[100],range,i,loc,item;
    printf("enter the item");
    scanf("%d",&item);
    printf("enter the range of array\n");
    scanf("%d",&range);
    printf("enter the elements into the array");

    for (i = 0; i < range; i += 1)
    {
        scanf("%d",&a[i]);
    }

    printf("elements are :");
    for (i = 0; i < range; i += 1)
    {
        printf("%d ",a[i]);
    }
    loc=linearSearch(a,range,item);

    if (loc == -1)
        printf("\ndata not found!!!");
    else
        printf("\nitem found at the position %d",loc);
    printf("\ncount =%d",count) ;
}

```