

```

1  //Program to Demonstrate linear search algorithm
2  #include<stdio.h>
3  #include<conio.h>
4
5  void main()
6  {
7      int list[20],size,i,sElement;
8
9      printf("Enter size of the list: ");
10     scanf("%d",&size);
11
12     printf("Enter any %d integer values: ",size);
13     for(i = 0; i < size; i++)
14         scanf("%d",&list[i]);
15     while(1)
16     {
17         printf("\nEnter the element to be Search: ");
18         scanf("%d",&sElement);
19
20         // Linear Search Logic
21         for(i = 0; i < size; i++)
22         {
23             if(sElement == list[i])
24             {
25                 printf("Element is found at %d index", i);
26                 break;
27             }
28         }
29         if(i == size)
30             printf("Given element is not found in the list!!!");
31     }
32     getch();
33 }

```