LINEAR SEARCH

```c
 /*** Program to Search an Element in the Array using Linear Search ***/

#include <stdio.h>

void linear_search();

int a[50], item, n, i;

main()
{
     printf("\n\nEnter size of an array: ");
     scanf("%d", &n);

     printf("\n\nEnter elements of an array:\n");
     for (i=0; i<n; i++)
          scanf("%d", &a[i]);

     printf("\nEnter item to search: ");
     scanf("%d", &item);

     linear_search();

     getch();
}

void linear_search()
{
     for (i=0; i<n; i++)
          if (item == a[i])
           {
                printf("\n\nItem found at location %d", i+1);
                return;
           }

     if (i == n)
          printf("\n\nItem doesnot exist.");
}
```