**Linear Search Program**

#include<stdio.h>

  int main()

{

    int a[20],i,x,n;

    printf("How many elements?");

    scanf("%d",&n);

    printf("Enter array elements:n");

    for(i=0;i<n;++i)

        scanf("%d",&a[i]);

    printf("nEnter element to search:");

    scanf("%d",&x);

   for(i=0;i<n;++i)

        if(a[i]==x)

            break;

    if(i<n)

        printf("Element found at index %d",i);

    else

        printf("Element not found");

    return 0;

}