

7. LINEAR SEARCH METHOD:-

Code:-

```
#include<stdio.h>

int main()
{
    int a[20],i,x,n;
    printf("How many elements?");
    scanf("%d",&n);
    printf("Enter array elements:");
    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;
}
```

OUTPUT:-

```
How many elements?5
Enter array elements:
4
1
8
9
7
Enter element to search:9
Element found at index 3
-----
Process exited after 12.68 seconds with return value 0
Press any key to continue . . . ■
```