

// 8. Write a C program to search a number using Linear Search method

```
#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;
```

```
}
```

