

```
#include <stdio.h>
```

```
main ()
```

```
{
```

```
    int N = 100, S[N], x, i, j;
```

```
    printf("Enter %d integers: ");
```

```
    for (i = 0; i < N; i++)
```

```
        scanf("%d", &S[i]);
```

```
    printf("Enter a number to search: ");
```

```
    scanf("%d", &x);
```

```
    for (i = 0; i < N; i++) {
```

```
        if (S[i] == x) {
```

```
            printf("%d is at location %d.", x, i+1);
```

```
            break;
```

```
        }
```

```
    }
```

```
    if (i == N)
```

```
        printf("%d is not present in the list %d.", x);
```

```
}
```