

```
Enter the number of elements: 10
Enter the elements: 1 2 3 4 5 6 7 8 9 10
Enter the element to be searched: 8
Element found at position 7
```

```
...Program finished with exit code 0
Press ENTER to exit console.
```

```
Enter the number of elements: 13
Enter the elements: 1 5 7 9 15 30 33 37 41 42 43 65 69
Enter the element to be searched: 32
Element not found
```

```
...Program finished with exit code 0
Press ENTER to exit console.█
```

Order Notation: $O(\log n)$