

```
1 package cw.skills;
2 import java.util.Scanner;
3
4 public class ArraysCc {
5     public static void main(String[] args) {
6         int numbers[] = {2, 4, 6, 8, 10, 12, 14, 16};
7         int key = 10;
8         int index = linearSearch(numbers,key);
9         if(index== -1){
10             System.out.println("Not found");
11         }
12         else{
13             System.out.println("key is at index:" +index);
14         }
15
16
17     }
18
19     public static int linearSearch(int numbers[], int key) {
20         for (int i = 0; i < numbers.length; i++) {
21             if (numbers[i] == key) {
22                 return i;
23
24             }
25         }
26         return -1;
27     }
28 }
29
30
31
32
```