

```
1  /**
2   * Linear search for an element in an array
3   */
4
5  #include <cs50.h>
6  #include <stdio.h>
7
8  int main(int argc, string argv[])
9  {
10     // An array of numbers
11     int numbers[] = {4, 8, 15, 16, 23, 42, 50};
12
13     // Search for 50
14     for (int i = 0; i < 7; i++)
15     {
16         // If 50
17         if (numbers[i] == 50)
18         {
19             // Found
20             printf("Found at index %i\n", i);
21             return 0;
22         }
23     }
24
25     // Not found
26     printf("Not found\n");
27     return 1;
28
29 }
```