

```
1  /**
2   * Linear search for a string element in an array
3   */
4
5  #include <cs50.h>
6  #include <stdio.h>
7  #include <string.h>
8
9  int main(int argc, string argv[])
10 {
11     // An array of numbers
12     string name[] = {"Will", "Noah", "Sam", "Kate", "Jude"};
13
14     // Search for Sam
15     for (int i = 0; i < 5; i++)
16     {
17         // If Sam
18         if (strcmp(name[i], "Sam") == 0)
19         {
20             // Found
21             printf("Found at index %i\n", i);
22             return 0;
23         }
24     }
25
26     // Not found
27     printf("Not found\n");
28     return 1;
29 }
30 }
```