```
1: // $Id: findmap.cpp, v 1.2 2018-11-07 11:46:09-08 - - $
 3: #include <iostream>
 4: #include <string>
 5: #include <unordered_map>
 6: #include <vector>
7: using namespace std;
8:
9: int main() {
10:
       unordered_map<string,int> um;
11:
       for (const string& s: vector<string> {"foo", "bar", "baz"}) {
12:
          const auto& e = um.find (s);
13:
          cout << s << ": ";
14:
          if (e == um.end()) cout << "not found";</pre>
15:
                         else cout << e->second;
16:
          cout << endl;</pre>
17:
       }
18:
       int i{};
19:
       for (const string& s: vector<string> {"foo", "bar", "baz"}) {
20:
          um.insert ({s, ++i});
21:
22:
       for (const auto& i: um) {
23:
          cout << i.first << ": " << i.second << endl;</pre>
24:
25:
       return 0;
26: }
27:
28: //TEST// ./findmap >findmap.lis 2>&1
29: //TEST// mkpspdf findmap.ps findmap.cpp* findmap.lis
30:
```

```
$cmps104a-wm/Assignments/code/symtable/
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                                findmap.cpp.log
    1: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ mkc: starting findmap.cpp
    2: findmap.cpp:
            $Id: findmap.cpp, v 1.2 2018-11-07 11:46:09-08 - - $
    3:
    4: cpplint.py.perl findmap.cpp
    5: Done processing findmap.cpp
    6: g++ -g -00 -Wall -Wextra -fdiagnostics-color=never -std=gnu++17 -Wold-st
yle-cast findmap.cpp -o findmap -lm
    7: rm -f findmap.o
    8: @@@@@@@@@@@@@@@@@@@@@@@@@@@@@@ mkc: finished findmap.cpp
```

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\$cmps104a-wm/Assignments/code/symtable/findmap.lis

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1: foo: not found 2: bar: not found 3: baz: not found

4: baz: 3 5: bar: 2 6: foo: 1