```cpp
/* The following code example is taken from the book
 * "The C++ Standard Library - A Tutorial and Reference, 2nd Edition"
 * by Nicolai M. Josuttis, Addison-Wesley, 2012
 *
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 */
#include <unordered_map>
#include <string>
#include <iostream>
using namespace std;

int main()
{
    unordered_map<string,double> coll { { "tim", 9.9 },
                                        { "struppi", 11.77 }
                                      };

    // square the value of each element:
    for (pair<const string,double>& elem : coll) {
        elem.second *= elem.second;
    }

    // print each element (key and value):
    for (const auto& elem : coll) {
        cout << elem.first << ": " << elem.second << endl;
    }
}
```