```cpp
/* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * */
// hashtable_game.cpp
// A game using my hash table and linked list implementations in C++.
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// June 30, 2014
//
/* * * * * * * * * * * * * * * * * * * * * * * * * * * * * * * */

#include <vector>
#include "hashtablecpp.h"
#include <iostream>
#include <string>


// Borrowed string tokenizer function.

void Tokenize(string str,
                      vector<string>& tokens,
                      const string& delimiters = " ")
{
    // Skip delimiters at beginning.
    string::size_type lastPos = str.find_first_not_of(delimiters, 0);
    // Find first "non-delimiter".
    string::size_type pos     = str.find_first_of(delimiters, lastPos);
    cout << "String: " << str << endl;

    while (string::npos != pos || string::npos != lastPos)
    {
        // Found a token, add it to the vector.
        tokens.push_back(str.substr(lastPos, pos - lastPos));
        // Skip delimiters.  Note the "not_of"
        lastPos = str.find_first_not_of(delimiters, pos);
        // Find next "non-delimiter"
        pos = str.find_first_of(delimiters, lastPos);
    }
}

int main() {
    string input;
    int size, guess;
    vector<string> words;
    cout << "Input size of hash table. " << endl;
    cin >> size;
    HashTable ht(size);
    cin.clear();
```

```
46      cin.ignore(10000, '\n');
47
48      cout << "Input a sentence. It will be broken up into words that will be
49      getline(cin, input);
50      cout << "Input: " << input << endl;
51      Tokenize(input, words);
52      for(int i = 0; i < words.size(); i++) {
53          ht.insert(words[i]);
54      }
55
56      ht.get_used_buckets();      // Check how many buckets in the hash table
57
58      cout << "Guess the size of the hash table!" << endl;
59      cin >> guess;
60
61      ht.print_table();
62
63      if (guess == ht.get_used_buckets()) {
64          cout << "Correct! " << endl;
65      } else {
66          cout << "Incorrect! " << endl;
67      }
68      cout << "Correct answer is: " << ht.get_used_buckets() << endl;
69
70
71  }
```