~\OneDrive\Desktop\lex-verifier.cpp

```cpp
#include <iostream>
#include <regex>
#include <string>
using namespace std;
void wordChecker(const string testWord) {

    regex intPattern(R"(^[+-]?(0|[1-9][0-9]*)$)");
    regex floatPattern(R"(^[+-]?([0-9]*\.[0-9]+|\.[0-9]+)$)");
    regex stringPattern(R"(^\"(\\.|[^\"])*\"$)");
    regex boolPattern(R"(^true|false|0|1$)");
    regex charPattern(R"(^'(\\[ntrb\"\\']|[^\\'])'$)");
    regex idenPattern(R"(^[a-z]+$)");
    if (regex_match(testWord, intPattern)) {
        cout << "Word belongs to classification: Integer" << endl;
        return;
    }
    if (regex_match(testWord, floatPattern)) {
        cout << "Word belongs to classification: Float" << endl;
        return;
    }
    if (regex_match(testWord, stringPattern)) {
        cout << "Word belongs to classification: String" << endl;
        return;
    }
    if (regex_match(testWord, boolPattern)) {
        cout << "Word belongs to classification: Boolean" << endl;
        return;
    }
    if (regex_match(testWord, charPattern)) {
        cout << "Word belongs to classification: Character" << endl;
        return;
    }
    if (regex_match(testWord, idenPattern)) {
        cout << "Word belongs to classification: Identifier" << endl;
        return;
    }
    // IF no match Print "Invalid word"
    cout << "Invalid word" << endl;
}
int main() {
    string input;
    while(true){
        cout << "Enter a word to check its class: ";
        cin >> input;
        wordChecker(input);
    }
    return 0;
}
```