

~/Desktop/2 Toy scanner.cpp

```
1  #include <iostream>
2  #include <regex>
3  #include <string>
4  using namespace std;
5
6  int main(){
7      string token;
8      cout << "Enter a token: ";
9      cin >> token;
10
11     regex integer_regex("^([+]?[0-9]+$");
12
13     regex punctuation_regex("^([+*(),,]+$");
14
15     if (regex_match(token, integer_regex)){
16         cout << "number" << endl;
17     }
18     else if (regex_match(token, punctuation_regex)){
19         cout << "punc" << endl;
20     }
21     else {
22         cout << "unknown" << endl;
23     }
24
25     return 0;
26 }
27
28 /* Chi-Hao Tu & Yaoyao Liu*/
```