

Assignment CS335

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Problem 1

- Used C++ in flex
- Check to see if Flex is installed on the machine; if not, install it by running the following command: **sudo apt-get install flex** for installing flex
First change the directory to the folder where the code and test-cases were present

Check the program, by following the commands:-

- **flex -o lex.cc p1.l**
- **g++ -o lex lex.cc**
- **./lex filename** ; filename is the test file that you wanted to perform lexical analysis
- A file named **Result.csv** will be created which stores the **TOKEN,LITERAL,COUNT** in the same folder
- If found any **errors** , will be displayed in the terminal along with the error and the line number
There were few ambiguities in the format of Floating point numbers

My implementation considers:

- 2. as (2,Literal) and (.,Operator)
- And .2 will be reported as error
- 1..10 will be reported as (1,Literal),(.,Operator) and (10,Literal)