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Compiler Assignment 1

1 message

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Dear all,

I am sending the first assignment for your compiler lab class. I hope you should be able to complete it by next week. I shall send another email regarding demonstration / submission of the assignment.

Assignment 1

Lex is a tool that generates Lexical Analyzer from the regular expressions for a given language. There are several tutorials available on the Internet for learning lex.
Go through the tutorials and implement the followings.

  a. Write a lex file to count the number of lines, words, and characters in the input.
  b. Write a lex file to count the number of numbers appearing in the input. Count the number of integers (without a decimal) separately from the number of floating point numbers (with a decimal, and at least one digit on either side of the decimal).
  c. Write a lex file to count the number of words in an input text that start with a vowel.

You may find solutions to the above problems on the Internet. Just copying from those sources without understanding their working will not be helpful for your learning.

Best,

Nandini Mukherjee

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