

Assignment #2

CS347

Date: 01 Feb 2017

Total 30 Points

1. Write a program using LEX to recognize valid arithmetic expression and to print the identifiers and operators present in the expression. (5+5=10 Points)
2. Given a file where declaration lines start with the name of a part of speech followed by the words to declare. For example, the following lines declare 24 verbs, 6 adverbs, 5 conjunctions, and so on.

Verb sought ask told sacked am are were was be being been do does did will

Adverb very sharply gently quietly calmly angrily

Preposition to from behind below between below

Conjunction if then and but or

Adjective good bad better worse beautiful

Pronoun I you he she we they

Noun man school cow dog horse

Write a lex program to create a symbol table in order to store information from the above given file. Symbol table should contain the words (e.g., cow, dog, am, very, to, if etc.) along with their type (noun, verb, adverb etc.) information.

The program then asks for input sentences from users and returns each word with their associated type based on the stored information in the

symbol table. If type of a word is not available in the symbol table, show an error message. (10+10 = 20 points)

Submission Deadline- in one lab session

Submission Steps:

- Open 172.16.1.3/~halder
- Click on "Submission System"
- Login: <your roll no.>
- Password: <blank>
- Once Login first time, you must change your password
- Create a directory with name "assignment02" in your computer system
- Put your assignment files in the directory
- ZIP the directory to create "assignment02.zip"
- Upload the zip by clicking on Upload button.