

## README File for Lab3

In this lab I defined regular expression of Lex program for ID,int,float,singleLineComment and multiLineComment.

Based on FigureA.1 in the book we can define each term.

Identifier(ID)-include all upper and lower-case alphabetic characters plus the underscore and also digit from 0-9.

IntDenotation(Int) includes all integer numbers.

FloatDenotation(float) includes all float numbers. we have seven case based on the diagram.

which all the cases are defined as f1,f2,f3,E1 and E2 and combined in float definition.

singleLineComment is a single line comment starting with // and continue until the end of the line and also include \ before the newline so the comment will continue in the next lines until it gets a new line.

multiLineComment is a string surrounded by /\* and \*/, without an intervening \*/ between but anything else.

In the test.c file I tried to include all the possible situation for each case.