Project Assignment 1

Lexical Definition

0413249 劉宗岳

1. the abilities of scanner

This is a scanner for the P language in lex , this scanner would recognize following tokens:
Character Set , Delimiters , Arithmetic, Relational, and Logical Operators , Keywords , Identifiers , Integer Constants , Floating-Point Constants , Scientific Notations , String Constants.

Also, it would recognize the tokens that should be discarded rather than passing back to the parser , such that:
Whitespace , Comments , Pseudocomments.

2. the platform to run

I use Ubuntu 16.04 to run my scanner , it can be ran by following steps.

3. how to run?

Open terminal → $ lex 0413249_hw1.l
                → $ gcc -o scanner lex.yy.c -lfl
                →$ ./scanner [input file]
Or makefile

```
 mkdir build
cd build
cmake ..
make
```