Compiler Design _ HW 1 5

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```
■ code.txt - 記事本

檔案(F) 編輯(E) 格式(O) 檢視(V) 說明

Program testP

Begin

declare I as integer;

declare A,B,C,D, LLL[100] as float;

End

■ error_code.txt - 記事本

檔案(F) 編輯(E) 格式(O) 檢視(V) 說明

Program testP

Begin

declare I as integer;

declare A,B,C,D, LLL[100] float;

End
```

```
#include "y.tab.h"
extern int yylval;
%}
[ \t]+
\%\%[^(\r?\n)]*\r?\n
r?\n
                                      { return COMMA; }
                                      { return LEFT; }
1/
\]
                                     { return RIGHT; }
[0-9]+
                                     { return NUMBER; }
                                     { return SEMICOLON; }
[Pp][Rr][Oo][Gg][Rr][Aa][Mm]
                                     { return PROGRAM; }
[Bb][Ee][Gg][Ii][Nn]
                                     { return BEGIN_; }
[Dd][Ee][Cc][L1][Aa][Rr][Ee]
                                     { return DECLARE; }
[Aa][Ss]
                                     { return AS; }
[Ii][Nn][Tt][Ee][Gg][Ee][Rr]
                                     { return INTEGER; }
[Ee][Nn][Dd]
                                     { return END; }
[Ff][L1][Oo][Aa][Tt]
                                     { return FLOAT; }
[a-zA-Z][a-zA-Z0-9]*(_[a-zA-Z0-9]+)* { return NAME; }
   {return 0;}
```

```
$ yacc -d ch3-01.y
$ lex ch3-01.l
$ gcc lex.yy.c y.tab.c -ly -lfl -o 40747031s_hw15
$ ./40747031s_hw15 < code.txt
Complie Success
$ ./40747031s_hw15 < error_code.txt
syntax error
$ |
|</pre>
```