

pr31.1 - Notepad

File Edit Format View Help

```
digit [0-9]
letter [A-Za-z]
%{
int count_id,count_key;
}%
%%
(stdio.h|conio.h) { printf("%s is a standard library\n",yytext); }
(include|void|main|printf|int) { printf("%s is a keyword\n",yytext); count_key++; }
(letter){(letter){digit}}* { printf("%s is a identifier\n", yytext); count_id++; }
{digit}+ { printf("%s is a number\n", yytext); }
\"(\\.|[^\"]\\)*\" { printf("%s is a string literal\n", yytext); }
.|\\n { }
%
int yywrap(void) {
return 1;
}
int main(int argc, char *argv[]) {
yyin = fopen(argv[1], "r");
yylex();
printf("number of identifiers = %d\n", count_id);
printf("number of keywords = %d\n", count_key);
fclose(yyin);
}
```

Select cmd

C:\Users\ASUS&gt;set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\ASUS&gt;flex pr31.1

C:\Users\ASUS&gt;set path=C:\MinGW\bin

C:\Users\ASUS&gt;gcc lex.yy.c

```
C:\Users\ASUS>a.exe pr31.c
include is a keyword
stdio.h is a standard library
void is a keyword
main is a keyword
int is a keyword
a is a identifier
b is a identifier
c is a identifier
30 is a number
printf is a keyword
"hello" is a string literal
number of identifiers = 3
number of keywords = 5
```

C:\Users\ASUS&gt;

&lt;

Ln 24, Col 1

100%

Window