pr34.l - 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);
}
```

cmd

```
C:\Users\ASUS>set path=C:\Program Files (x86)\GnuWin32\bin

C:\Users\ASUS>flex pr34.l

C:\Users\ASUS>set path=C:\MinGW\bin

C:\Users\ASUS>gcc lex.yy.c

C:\Users\ASUS>a.exe pr34.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>
```

Ln 24, Col 1   100%   Window