```
Microsoft Windows [Version 10.0.26100.6584]
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C:\Users\manoj>set path=C:\Users\manoj\Documents\GnuWin32\bin

C:\Users\manoj>flex tokens.l.txt

C:\Users\manoj>set path=C:\Users\manoj\Documents\MinGW\bin

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

C:\Users\manoj>a
Enter code:
(x+y=10);^Z

        separator  : (
        identifier : x
        operator   : +
        identifier : y
        operator   : =
        integer    : 10
        separator  : )
        separator  : ;
^Z

Total number of tokens = 8
```

```
%{
#include <stdio.h>
int n = 0;
%}
%%
"while"|"if"|"else"|"int"|"float"          { n++; printf("\t keyword    : %s\n", yytext); }

[a-zA-Z_][a-zA-Z0-9_]*                      { n++; printf("\t identifier : %s\n", yytext); }

"<="|"=="|"="|"++"|"--"|"*"|"+"|"-"|"/"   { n++; printf("\t operator   : %s\n", yytext); }

[(){}|,;]                                   { n++; printf("\t separator  : %s\n", yytext); }

[0-9]+\.[0-9]+                              { n++; printf("\t float      : %s\n", yytext); }

[0-9]+                                       { n++; printf("\t integer    : %s\n", yytext); }

[ \t]+                                       ;    /* ignore spaces and tabs */

\n                                           ;    /* ignore newline */

.                                            ;    /* ignore everything else */
%%
int yywrap() { return 1; }
int main() {
    printf("Enter code:\n");
    yylex();
    printf("\nTotal number of tokens = %d\n", n);
    return 0;
}
```