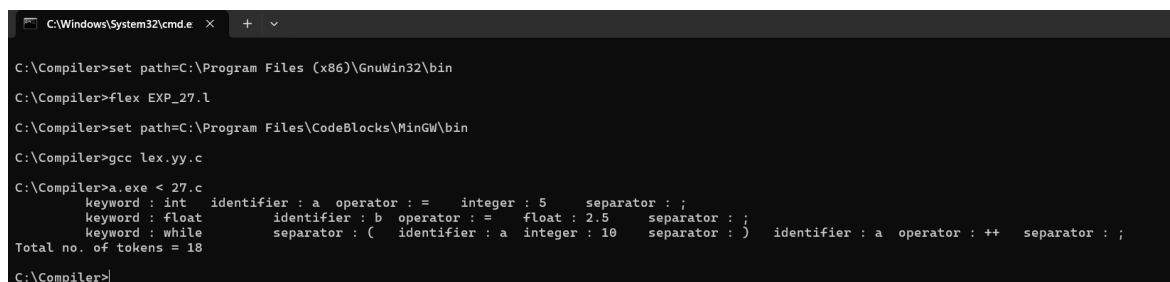


CODE

```
%{
int n = 0 ;
}%
%%
"while"|"if"|"else"|"int"|"float" {n++;printf("\t keyword : %s",
yytext);}
[a-zA-Z_][a-zA-Z0-9_]* {n++;printf("\t identifier : %s",
yytext);}
"<="|"=="|"="|"++"|"-"|"*"|"+" {n++;printf("\t operator : %s",
yytext);}
[(){}|,;] {n++;printf("\t separator : %s",
yytext);}
[0-9]*"."[0-9]+ {n++;printf("\t float : %s",
yytext);}
[0-9]+ {n++;printf("\t integer : %s",
yytext);}
. ;
%%
int yywrap(){ return 1; }

int main() {
    yylex();
    printf("\nTotal no. of tokens = %d\n", n);
}
```

SCREENSHOT



```
C:\Windows\System32\cmd.e  X  +  v

C:\Compiler>set path=C:\Program Files (x86)\GnuWin32\bin
C:\Compiler>flex EXP_27.l
C:\Compiler>set path=C:\Program Files\CodeBlocks\MinGW\bin
C:\Compiler>gcc lex.yy.c
C:\Compiler>a.exe < 27.c
keyword : int  identifier : a  operator : =  integer : 5  separator : ;
keyword : float  identifier : b  operator : =  float : 2.5  separator : ;
keyword : while  separator : (  identifier : a  integer : 10  separator : )  identifier : a  operator : ++  separator : ;
Total no. of tokens = 18
C:\Compiler>
```