



sample.c



File

Edit

View

```
#define P 314
#include<stdio.h>
#include<conio.h>

void main()
{
    int a, b, c = 30;
    printf("hello");
}
```



File Edit View

```
digit  [0-9]+
%{
    #include <stdio.h>
    int cons = 0;
}%
%%
{digit}    {
            cons++;
            printf("%s is a constant\n", yytext);
        }
.|\\n      { /* Ignore everything else */ }
%%
int yywrap(void) {
    return 1;
}
int main(void) {
    FILE *f;
    char file[50];
    printf("Enter File Name : ");
    scanf("%s", file);
    f = fopen(file, "r");
    if (!f) {
        printf("Could not open file: %s\n", file);
        return 1;
    }
    yyin = f;
    yylex();
    printf("Number of Constants : %d\n", cons);
    fclose(f);
    return 0;
}
```



Command Prompt



Microsoft Windows [Version 10.0.26100.6584]
(c) Microsoft Corporation. All rights reserved.

C:\Users\manoj>set path=C:\Users\manoj\Documents\GnuWin32\bin

C:\Users\manoj>flex countconstants.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 File Name : sample.c
314 is a constant
30 is a constant
Number of Constants : 2