

Exemple

Versiune sub linux:

parametru pt. obtinerea versiunii flex:

```
flex -V
```

```
flex 2.5.35
```

manuale: \$ man flex
 \$ info flex

Exemplu: (1)

```
%option noyywrap
```

```
%%  
0|1(0|1)*    printf("OK");
```

```
%%  
main() {  
    yylex();  
}
```

Exemplu: (2)

```
%option noyywrap

%%
0|[1-9][0-9]*    printf("Integer\n");

%%

main( argc, argv )
int argc;
char **argv;
    {
        ++argv, --argc;      /* skip over program name */
        if ( argc > 0 )
            yyin = fopen( argv[0], "r" );
        else
            yyin = stdin;
        yylex();
    }
```

Exemplu: (3) cu functia yywrap

```
%%  
username printf(" Dana Lupsa " );
```

```
%%  
int yywrap() { return 1; }  
int main() {  
    yylex();  
}
```

Exemplu: (4)

si optiunea noyywrap

```
%{  
    int num_lines=0, num_chars=0;    /*...*/  
%}
```

%option noyywrap

```
% %  
\n    ++num_lines; ++num_chars;  
.    ++num_chars;
```

```
% %  
main()  
{  
    yylex();  
    printf( "# of lines = %d, # of chars = %d\n",  
            num_lines, num_chars );  
}
```

Exemplu: (5)

```
%{  
#include <stdio.h>  
%}  
  
%%  
[1-9][0-9]*  
0[0-7]*  
0(x|X)[0-9A-Fa-f]+  
(0b|0B)(0|1)+  
%%  
  
printf("zecimal %s", yytext);  
printf("octal: %s", yytext);  
printf ("hexazecimal: %s", yytext);  
printf("binar: %s", yytext);
```

Exemplu: (6)

```
%{
#include <math.h>                                /* -> atof() */
%}
%option noyywrap
DIGIT      [0-9]
ID          [a-z][a-z0-9]*
%%
{DIGIT}+    {
              printf( "An integer: %s (%d)\n", yytext,
              atoi( yytext ) );
            }
{DIGIT}+"."{DIGIT}*  {
              printf( "A float: %s (%g)\n", yytext, atof( yytext ) );
            }
if|then|else|begin|end  printf( "A keyword: %s\n", yytext );
:=                      printf( "Assignment operator: %s \n", yytext );
{ID}                   printf( "An identifier: %s\n", yytext );
"+"|"-"|"*"|"/"        printf( "An operator: %s\n", yytext );
"{ "[^}\n]*"            /* eat up one-line comments */
[ \t\n]+               /* eat up whitespace */
.                      printf( "Unrecognized chr.: %s\n", yytext );
%%
```