```
/*************************************************************************/
/*                                                                       */
/* FILE    : driver.c                                                    */
/* PURPOSE : This program drives the scanner.                            */
/*           In the next phase the parser will replace the driver.       */
/*           It is important for all actual processing, including        */
/*           producing the listing, to be handled in the scanner         */
/*           and not the driver (parser).                                */
/*                                                                       */
/*************************************************************************/

#include <stdio.h>

int yylval = 0;

main(){
        extern  char    yytext[];
        int     token;

        printf("Performing Lexical Analysis\n");

        while((token=yylex()) != 0){
                switch(token){
                        case 1 : printf("IFtok\n"); break;
                        case 2 : printf("THENtok\n"); break;
                        case 3 : printf("ELSEtok\n"); break;
                        case 4 : printf("LTtok\n"); break;
                        case 5 : printf("LEtok\n"); break;
                        case 6 : printf("EQtok\n"); break;
                        case 7 : printf("NEtok\n"); break;
                        case 8 : printf("GTtok\n"); break;
                        case 9 : printf("GEtok\n"); break;
                        case 10: printf("IDtok\n"); break;
                        case 11: printf("NUMtok\n"); break;
                        case 12: printf("ERRORtok\n"); break;
                }
        }

        printf("Lexical Analysis Complete\n");
}

#include "lex.yy.c"

/*************************************************************************/
```