File.l

%{

int key=0, op=0, relop=0, id=0;

%}

letter [a-zA-Z]

digit [0-9]

%%

(if|else|while|do) {key++;}

("+"|"-"|"\*"|"/"|"=") {op++;}

("<="|"<"|">"|">=") {relop++;}

{letter}({letter}|{digit})\* {id++;}

%%

int yywrap(){}

void main()

{

FILE \*file;

file=fopen("l.txt","r");

yyin=file;

yylex();

printf("ids=%d\n",id);

printf("ops=%d\n",op);

printf("relops=%d\n",relop);

printf("keyword=%d\n",key);

printf("\n");

}

L.txt

If a>b

a=a+b

Output:

c502@22D50304:~/Desktop/Untitled Folder$ flex file.l

c502@22D50304:~/Desktop/Untitled Folder$ gcc l

lex.yy.c l.txt

c502@22D50304:~/Desktop/Untitled Folder$ gcc l

lex.yy.c l.txt

c502@22D50304:~/Desktop/Untitled Folder$ gcc lex.yy.c

c502@22D50304:~/Desktop/Untitled Folder$ ./a.out

ids=5

ops=2

relops=1

keyword=1