**PROGRAM:**

**FF.L:**

letter [a-zA-Z]

digit [0-9]

symbol [{}();,]

op [+<>=/\*\-.]

%%

"#include<"{letter}+".h>" printf("\n%s is a header file",yytext);

"const "{letter}({letter}|{digit})\* printf("\n%s is a constant",yytext);

"//".\* printf("\n%s is a comment",yytext);

"/\*"(.|\n)\*"\*/" printf("\n%s is a comment",yytext);

"\"".\*"\"" printf("\n%s is string",yytext);

{digit}+ printf("\n%s is number",yytext);

"if"|"else"|"int"|"char"|"scanf"|"printf"|"void"|"for"|"float"|"main" printf("\n%s is keyword",yytext);

{op}+ printf("\n%s is a operator",yytext);

{symbol} printf("\n%s is a special character",yytext);

{letter}({letter}|{digit})\* printf("\n%s is a identifier",yytext);

%%

int yywrap()

{

return 1;

}

int main(int argc,char \*argv[])

{

yyin=fopen(argv[1],"r");

yylex();

fclose(yyin);

return 0;

}

**SAM.C:**

#include<stdio.h>

#include<conio.h>

int z;

z=0;

int main()

{

int a,b,c;

const a;

a==32222

b=4;

c=a+b;

printf(c);

return 0;

}

**OUTPUT:**



