15001113 2015cs111

01)\*

%{

//#include<studio.h>

int linenum=1; // first line is line number 1

%}

%%

[0-9]+ {printf("\tLine number %d and number is %s \n",linenum,yytext);}

\n {linenum++;}

. ;

%%

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

{

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

//yyin = fopen("file.txt","r");

yylex();

fclose(yyin);

return 0;

}

02)

%{

//#include<stdio.h>

int linenum = 1; // first line is line number 1

%}

%%

^(.\*)\n {printf("%s ++lineNo : %d \n",yytext, linenum++);}

%%

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

//yyin = fopen("15001113.txt", "r");

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

if(!yyin){printf("Can't read file\n ");}

yylex();

fclose(yyin);

return 0;

}

03)\*

integer [0-9]+

%s opp

%s ee

%%

(" ") ;

^{integer}(" ") {printf("<Integer,%s> ",yytext); BEGIN opp;}

<ee>{integer}(" ") {printf("<Integer,%s> ",yytext); BEGIN opp;}

<opp>("+"|"-"|"\*")(" ") {printf("<operator,%s> ",yytext); BEGIN(ee);}

. {printf("Reject");}

%%

int yywrap(void){

return 1;

}

int main(void) {

yylex();

return 0;

}

