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Roll No :13228  
Batch : B2  
  
 Practical 3

%{

%}

quotes [""'']

comment ("//".\*)

comment2 ("/\*".\*"\*/")

%%

public|private|protected {printf("%s : is a Access specifier\n",yytext);}

class|System|out|println|void|main|static {printf("%s : is a Keyword\n",yytext);}

class|System|out|println|void|main|static {printf("%s : is a Keyword\n",yytext);}

int|double|char|String {printf("%s : is a DataType\n",yytext);}

[A-Z]+[a-z]\* {printf("%s : is a Class-Name\n",yytext);}

[A-Z]\*[a-z]+ {printf("%s : is a Variable\n",yytext);}

"+"|"-"|"<"|">"|"!"|"%"|"&"|"^"|"\*"|"?"|"=" {printf("%s : is a Operator\n",yytext);}

"["|"{"|"(" {printf("%s : is a Opening Bracket\n",yytext);}

"]"|"}"|")" {printf("%s : is a Closing Bracket\n",yytext);}

","|"."|":"|";" {printf("%s : is a Delimiter\n",yytext);}

[0-9]+ {printf(" %s : is a Number\n",yytext);}

{quotes} {printf(" %s : is a Quote\n",yytext);}

{comment} {printf(" %s : is a Single line Comment\n",yytext);}

{comment2} {printf(" %s : is a Multiline Comment\n",yytext);}

%%

main(argc,argv)

int argc;

char \*\*argv;

{

if(argc >1){

FILE \*file;

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

if(!file){

fprintf(stderr,"Could not open %s\n",argv[1]);

exit(1);

}

yyin=file;

}

yylex();

}

int yywrap(){

return 1;

}

Microsoft Windows [Version 10.0.22631.4249]

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C:\Users\HP\OneDrive\Desktop\spos practical\lexical>flex devesh.l

C:\Users\HP\OneDrive\Desktop\spos practical\lexical>gcc lex.yy.c

devesh.l:28:1: warning: return type defaults to 'int' [-Wimplicit-int]

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

^~~~

C:\Users\HP\OneDrive\Desktop\spos practical\lexical>a.exe

10

10 : is a Number

public class Helloworld {public static void main(string args[]){int i = 0 ;system.out.println("Hello World !");}}

public : is an Access specifier

class : is a Keyword

Helloworld : is a Class-Name

{ : is a Bracket

public : is an Access specifier

static : is a Keyword

void : is a Keyword

main : is a Keyword

( : is a Bracket

string : is a Variable

args : is a Variable

[ : is a Bracket

] : is a Bracket

) : is a Bracket

{ : is a Bracket

int : is a DataType

i : is a Variable

= : is an Operator

0 : is a Number

; : is a Delimiter

system : is a Variable

. : is a Delimiter

out : is a Keyword

. : is a Delimiter

println : is a Keyword

( : is a Bracket

"Hello World !" : is a Quote

) : is a Bracket

; : is a Delimiter

} : is a Bracket

} : is a Bracket