//Definition :header

%{

#include<stdio.h>

%}

//rules: pattern ,action

%%

if|

else|

printf { printf(“%s is a keyword”,yytext);}

[0-9]+ {printf(“%s is a number”,yytext);}

[a-zA-Z]+ {printf(“%s is a word”,yytext);}

.|\n {ECHO;}

%%

int main()

{

printf(“\n Enter the string: “);

yylex();

}

int yywrap()

{

return 1;

}

//count no. of lines, words,characters

%{

#include<stdio.h>

int lc=0,sc=0,wc=0,cc=0;

%}

%%

[\n]{lc++;cc+=yyleng;}

[ \t]{sc++;cc+=yyleng;}

[^\t\n]+{wc++;cc+=yyleng;}

%%

int main()

{

printf(“Enter the input”);

yylex();

printf(“No. of words %d\n”,wc);

printf(“No. of characters %d\n”,cc);

printf(“No. of new lines %d\n”,lc);

printf(“No. of spaces %d\n”,sc);

}

int yywrap()

{

return 1;

}

//count vowels and consonants

%{

#include<stdio.h>

int v=0, c=0

%}

%%

[\t\n]+;

[aeiouAEIOU] {v++;}

[^aeiouAEIOU]{c++;}

%%

int main()

{

printf(“Enter input”);

yylex();

printf(“No of vowels %d \n”, v);

printf(“No of consonants %d \n”, c);

}

int yywrap()

{

return 1;

}

//abc to ABC

%{

#include<stdio.h>

%}

%%

[abc]{printf(“ABC”);

%%

int main()

{

printf(“enter the input”);

yylex();

}

int yywrap()

{

return 1;

}