1. 2. Extend the lexical Analyzer to Check comments, dened as follows in C:

a) A comment begins with // and includes all characters until the end of that line.

b) A comment begins with /\* and includes all characters through the next occurrence of the character sequence \*/Develop a lexical Analyzer to identify whether a given line is a comment or not.

Program:

#include<stdio.h>

#include<conio.h>

int main()

{

char com[30];

int i=2,a=0;

printf("\n Enter comment:");

gets(com);

if(com[0]=='/')

{

if(com[1]=='/')

printf("\n It is a comment");

else if(com[1]=='\*')

{

for(i=2;i<=30;i++)

{

if(com[i]=='\*'&&com[i+1]=='/')

{

printf("\n It is a comment");

a=1;

break;

}

else

continue;

}

if(a==0)

printf("\n It is not a comment");

}

else

printf("\n It is not a comment");

}

else

printf("\n It is not a comment");

}

