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

**#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");**

**}**

