

Expno.4

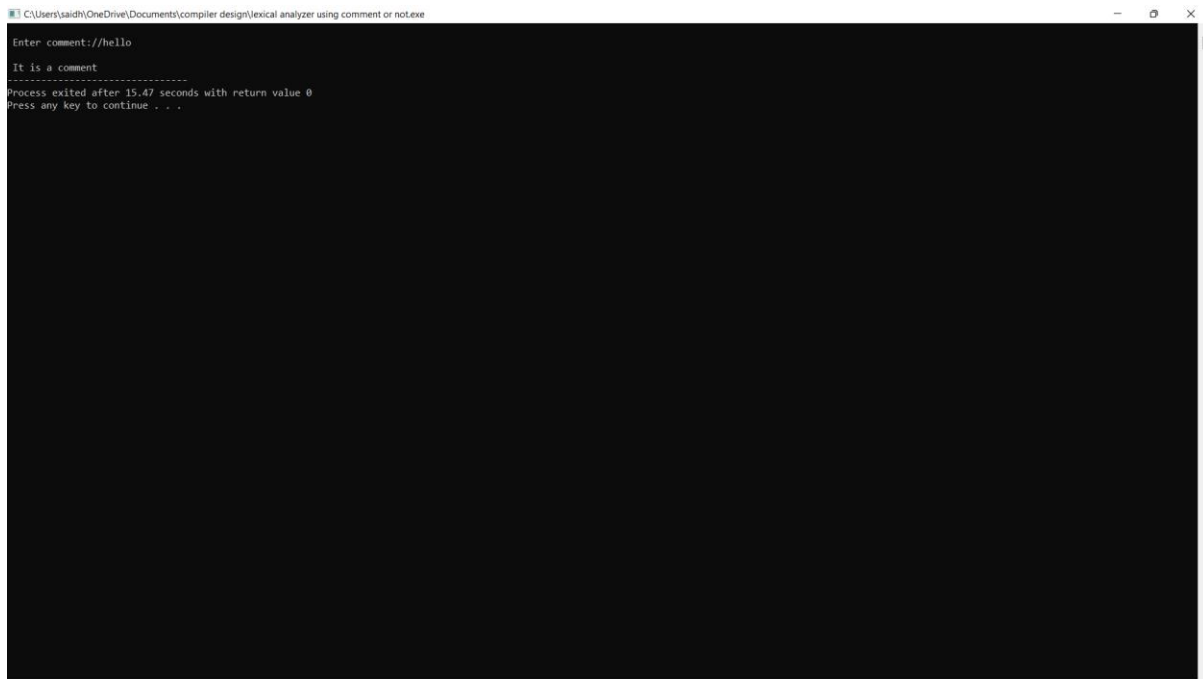
Develop a lexical Analyzer to identify whether a given line is a comment or not.

```
#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");  
}
```



```
C:\Users\saidh\OneDrive\Documents\compiler design\lexical analyzer using comment or not.exe  
Enter comment://hello  
It is a comment  
-----  
Process exited after 15.47 seconds with return value 0  
Press any key to continue . . .
```