Experiment 2

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>

#include<string.h>

int main()

{

char a[30];

int len;

printf("enter the line of text :");

scanf("%[^\n]s",&a);

len=strlen(a);

if(a[0]=='/'&&a[1]=='/')

{

printf("single line comment");

}

else if(a[0]=='/' && a[1]=='\*'&&a[len-1]=='/' && a[len-2]=='\*')

{

printf("Multi line comment");

}

else

{

printf("Not a comment");

}

return 0;

}

Output:

