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.

Source code:

#include<stdio.h>

#include<stdlib.h>

#include<string.h>

int main()

{

char s[10];

printf("ENTER THE EXPRESSION:-");

scanf("%s",s);

int l=strlen(s);

int i,f=0;

printf("OPERATORS:-\n");

for(i=0;i<l;i++)

{

if(s[i]=='+'||s[i]=='-'||s[i]=='\*'||s[i]=='/'||s[i]=='%'||s[i]=='=')

{

printf("%c\n",s[i]);

f+=1;

}

}

if(f==0)

{

printf("\nNO OPERATORS FOUND\n");

exit(0);

}

}

Output:

