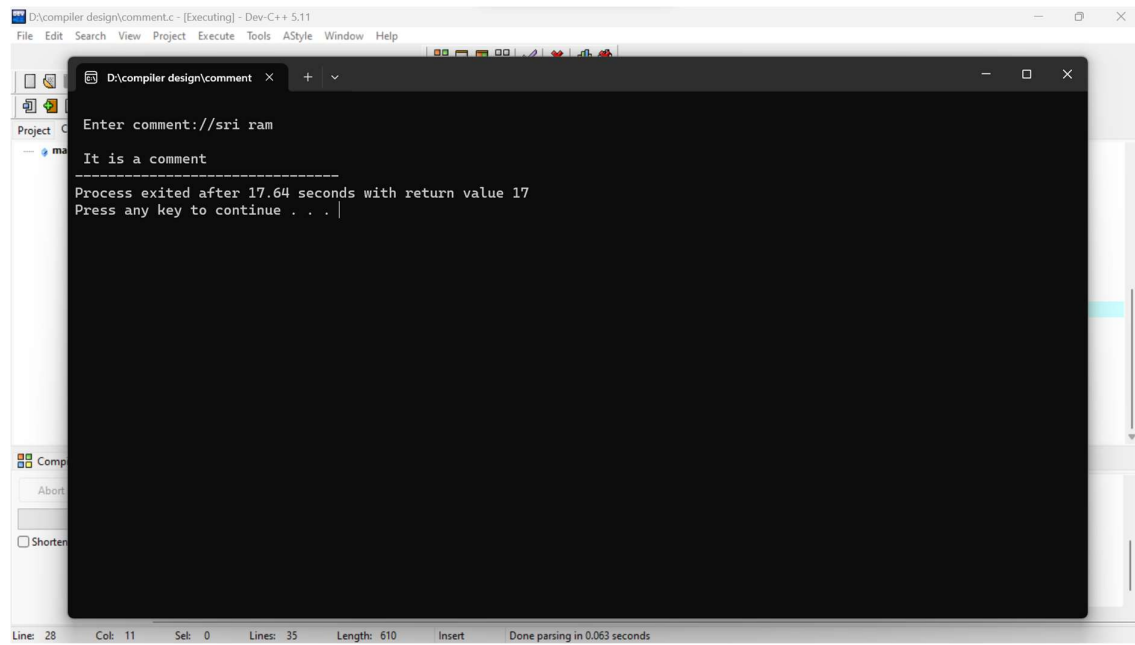


2. Extend the lexical Analyzer to Check comments, defined as follows in C:

- 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");
}
```



The screenshot shows the Dev-C++ 5.11 IDE interface. The main window displays the output of a program execution. The text in the console is as follows:

```
Enter comment://sri ram  
-----  
It is a comment  
-----  
Process exited after 17.64 seconds with return value 17  
Press any key to continue . . .
```

The status bar at the bottom of the IDE indicates the current cursor position and compilation status: Line: 28, Col: 11, Sel: 0, Lines: 35, Length: 610, Insert, Done parsing in 0.063 seconds.