PRACTICAL-1

AIM: Write a C program to identify whether a given line is valid comment or not.

CODE:

```c
#include<stdio.h>

#include<conio.h>

#include<string.h>

void main()

{

        char com[30];

        int i=2,a=0;

        clrscr();

        printf("\n Enter comment:");

        gets(com);

        if(com[0]=='/')

        {

                if(com[1]=='/')

                        printf("\n It is a comment");

                elseif(com[1]=='')

                {

                        for(i=2;i<=strlen(com);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");
        getch();
}
```

OUTPUT:

Test-Case 1:

```
Enter comment:Hello
 It is not a comment_
```

Test-Case 2:

```
Enter comment://Hello World
It is a comment
```

Test-Case 3:

```
Enter comment:hello//world

 It is not a comment_
```

Test-Case 4:

```
Enter comment:/*hello world*/

 It is a comment
```

Test-Case 5:

```
Enter comment:/*Hello World

 It is not a comment
```

Test-Case 6:

```
Enter comment:/*Hello World/

 It is not a comment_
```