

**Government College of Engineering, Jalgaon**  
(An Autonomous Institute of Govt. of Maharashtra)

**Name of Student:**.....

**PRN:**.....

**Subject teacher: Sharayu Bonde**

**Experiment No.: Group A: 2**

**Title:** Write a C program to identify whether a given line is comment or not.

**Theory:**

In computer programming, a comment is a programmer-readable explanation or annotation in the source code of a computer program. They are added with the purpose of making the source code easier for humans to understand, and are generally ignored by compilers and interpreters.

Comment in C programming :

A comment starts with a slash asterisk `/*` and ends with a asterisk slash `*/` and can be anywhere in your program. Comments can span several lines within your C program. Comments are typically added directly above the related C source code.

Adding source code comments to your C source code is a highly recommended practice. In general, it is always better to over comment C source code than to not add enough.

**Syntax**

The syntax for a comment is:

```
/* comment goes here */
```

OR

```
/*
```

```
    * comment goes here
```

```
*/
```

**Note**

It is important that you choose a style of commenting and use it consistently throughout your source code. Doing so makes the code more readable.

**Example - Comment in Single Line**

You can create an comment on a single line.

For example:

```
/* Author: TechOnTheNet.com */
```

C++ introduced a double slash comment prefix `//` as a way to comment single lines. The following is an example of this:

```
// Author: TechOnTheNet.com
```

This form of commenting may be used with most modern C compilers if they also understand the C++ language.

#### Example - Comment Spans Multiple Lines

You can create a comment that spans multiple lines. For example:

```
/*  
 * Author: TechOnTheNet.com  
 * Purpose: To show a comment that spans multiple lines.  
 * Language: C  
 */
```

The compiler will assume that everything after the `/*` symbol is a comment until it reaches the `*/` symbol, even if it spans multiple lines within the C program.

#### Example - Comment at End of Code Line

You can create a comment that displays at the end of a line of code.

For example:

```
#define AGE 6 /* This constant is called AGE */
```

OR

```
#define AGE 6 // This constant is called AGE
```

In these examples, the compiler will define a constant called AGE that contains the value of 6. The comment is found at the end of the line of code after the constant has been defined.

#### Result:

Thus the program for identifying comment line or not was executed and the output was verified successfully.

**Course Teacher**

**Sharayu N. Bonde**