

# Python Comments

Python Comment is an essential tool for the programmers. Comments are generally used to explain the code. A good programmer must use the comments because in the future anyone wants to modify the code as well as implement the new module; then, it can be done easily.

In the other programming language such as C++, It provides the `//` for single-lined comment and `/*... */` for multiple-line comment, but Python provides the single-lined Python comment.

To apply the comment in the code we use the hash(`#`) at the beginning of the statement or code.

```
# This is the print statement  
print("Hello Python")
```

Here we have written comment over the print statement using the hash(`#`). It will not affect our print statement.

## Multiline Python Comment

We must use the hash(`#`) at the beginning of every line of code to apply the multiline Python comment. Consider the following example.

```
# First line of the comment  
# Second line of the comment  
# Third line of the comment
```

### EXAMPLE:

```
# Variable a holds value 5
# Variable b holds value 10
# Variable c holds sum of a and b
# Print the result
a = 5
b = 10
c = a+b
print("The sum is:", c)
```

### OUTPUT:

```
The sum is: 15
```

The above code is very readable even the absolute beginners can understand what is happening in each line of the code. This is the advantage of using comments in code.

We can also use the triple quotes (""") for multiline comments. The triple quotes are also used for string formatting. Consider the following example.

## Docstrings Python Comment

The docstring comment is mostly used in the module, function, class or method. It is a documentation Python string. We will explain the class/method in further tutorials.

### EXAMPLE:

```
def intro():
    """
    This function prints Hello Joseph
    """
    print("Hi Joseph")
intro()
```

### OUTPUT:

```
Hello Joseph
```