Statement and Comments

B. Ramar(Ph.D)
Resource Faculty,
AU TVS Centre for Quality Management, Anna University.

Content

1. **Python Statement**

   a) **Multi-line statement**

2. **Python Comments**

   a) **Multi-line Comments**

   b) **Docstring in Python**

Python Statement

Python interpreter can execute are called statements. For example, a = 1 is an assignment statement.

Statements:

if statement, for statement, while statement etc.

Multi-line statement

we can make a statement extend over multiple lines with the line continuation character (\).

```
a = 1 + 2 + 3 + \
    4 + 5 + 6 + \
    7 + 8 + 9
```

Line continuation is implied inside parentheses ( ), brackets [ ] and braces { }.

```
a = (1 + 2 + 3 +
    4 + 5 + 6 +
    7 + 8 + 9)
```

```
colors = ['red',
    'blue',
    'green']
```

```
a = 1; b = 2; c = 3
```

Python Comments

Time to explain these concepts in form of comments is always fruitful.

we use the hash (#) symbol to start writing a comment

```
#This is a comment
#print out Hello
print('Hello')
```

Multi-line Comments

These triple quotes are generally used for multi-line strings. But they can be used as multi-line comment as well.

```
"""This is also a
perfect example of
multi-line comments"""
```

Docstring in Python

Comments occurs as the first statement in a module, function, class, or method definition.
Triple quotes are used while writing docstrings.

```
def double(num):
    """Function to double the value"""
    return 2*num
```

Content

1. Python Keywords

2. Python Identifiers

    a) Rules for writing identifiers

    b) Things to care about