

- **Object:** A unique instance of a data structure that's defined by its class. An object comprises both data members (class variables and instance variables) and methods.
- **Operator overloading:** The assignment of more than one function to a particular operator.

Creating Classes

The *class* statement creates a new class definition. The name of the class immediately follows the keyword *class* followed by a colon as follows:

```
class ClassName:  
    'Optional class documentation string'  
  
    class_suite
```

- The class has a documentation string, which can be accessed via *ClassName.__doc__*.
- The *class_suite* consists of all the component statements defining class members, data attributes and functions.

Example

Following is the example of a simple Python class:

```
class Employee:  
    'Common base class for all employees'  
  
    empCount = 0  
  
    def __init__(self, name, salary):  
        self.name = name  
        self.salary = salary  
        Employee.empCount += 1  
  
    def displayCount(self):
```