

Classes and Objects

1. What is a class ?

> A class is logical grouping of attributes(variables) and methods(functions).

Syntax:

```
class ClassName:  
    # class body
```

Example:

```
class Employee:
```

2. What is an object ?

> Object is an instance of a class that has access to all the attributes and methods of that class.

Syntax:

```
objectName = ClassName()
```

Example:

```
employee = Employee()
```

The object employee now has access to all the attributes and methods of the class Employee.

3. What is object instantiation ?

The process of creation of an object of a class is called instantiation.