Inheritance

- Inheritance is a concept where new classes can be produced from existing classes. The newly created class acquires all the features of an existing class.

- A class that is inherited is called as 'super class' or 'base class' or 'parent class'. The class that does the inheriting is called as 'sub class' or 'derived class' or 'child class'.

- Inheritance allows sub classes to inherit all the variables and methods of their parent class.

Inheritance

A sub class can be defined by the use of a keyword 'extends' as below:

```
class sub_class_name extends super_class_name
{
        Variable declaration;
        Method declaration;
}
```

The keyword 'extends' signifies that the properties of the super class are extended to the sub class. The sub class will now contain its own variables and methods as well as those of the super class. But it is not vice-versa.