Advantages of:

-Encapsulation:

Security of accessing (by certain accessor methods) and preservation (no altering)

-Polymorphism

able to dynamic bond/ the operation depends on the input by human user

-Inheritance:

Save code: subclass uses the method of its superclass / override

-Composition

Involve another class within one

UML Diagrams

Divided into three spaces:

* Class name
* Variables
* Methods

Constructor

A method inside a class to construct a new object of this class