* Method overloading

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Description automatically generated

In Class Admin, there are two Method viewAllCourses with the same name but different argument types.

* Method overriding (at least two examples)

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Method viewAllCourses and Method viewAllFullCourses are overridden. In both examples, subclass (Student) overrides superclass (User), and only the subclass’ method implementation is used.

* Abstract Class

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Class User is an abstract class.

* Inheritance

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Class Admin and Class Student extends Class User.

* Polymorphism

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Method overriding is a form of polymorphism.

* Encapsulation

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In Class Course, all the variables are declared private. Class Course interacts with other class through constructor, getters, setters, and other public method. This way, we can hide information and data.

* The concept of ADT (Abstract Data Types)

ADT is a mathematical description of a data structure. Each operation is described by an ADT, but not how it is carried out. There are many int, String, List (ArrayList) used in the code which are all ADT.

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