

Object Oriented Programming

1. Abstraction

- Abstract method
 - i. a method without a method body
 - ii. does not provide implementation details
- Concrete method
 - i. a method with a method body
 - ii. provide implementation details
- Concrete class
 - i. Can not contain an abstract method
 - ii. Can be instantiated

2. Interface

- Java construct
- Can contain constants, abstract methods, default methods (marked with keyword default), **static concrete methods (not covered in the course)**
- **Cannot contain non-default non-static concrete method**
- Intended to specify a service contract (API) about how the implementing classes will be used by their client classes

3. Generics

- Generic class: class that takes in a type parameter
- Generic interface: interface that takes in a type parameter
- Generic method: a method that uses a type parameter