
CSYE 6200

Concepts of Object- Oriented Design

Inheritance

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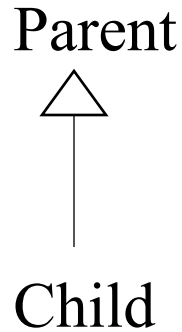
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- Lecture

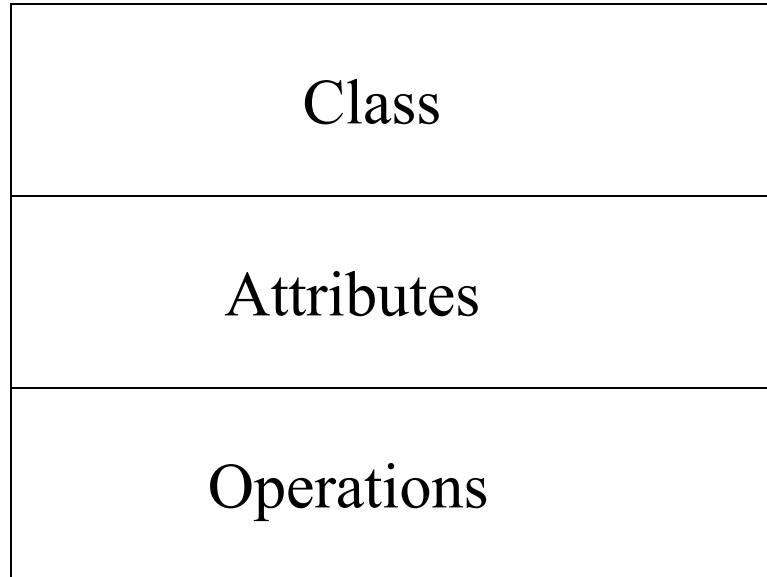
1. Inheritance
2. Java Concrete Class
3. Java Abstract Class
4. Java Interface

Relationships

- Generalization: Inheritance Is-A Relationship
 - Child Is-A Parent

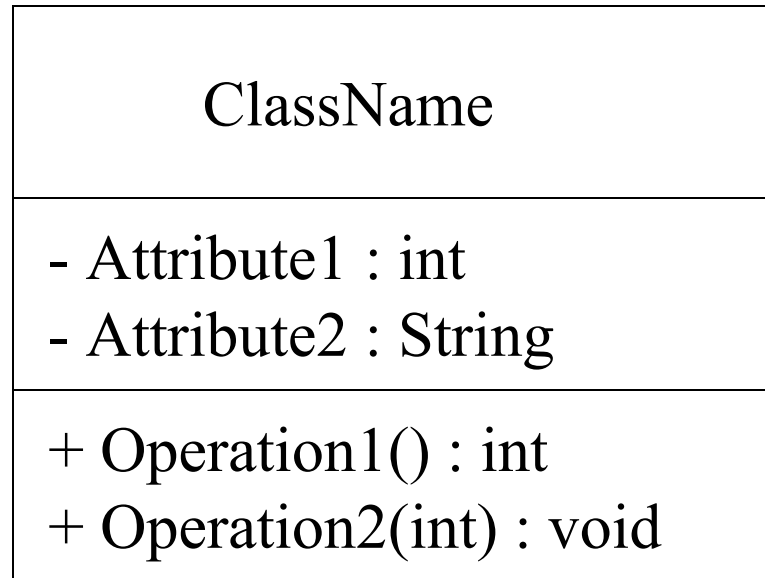


UML Class Diagram

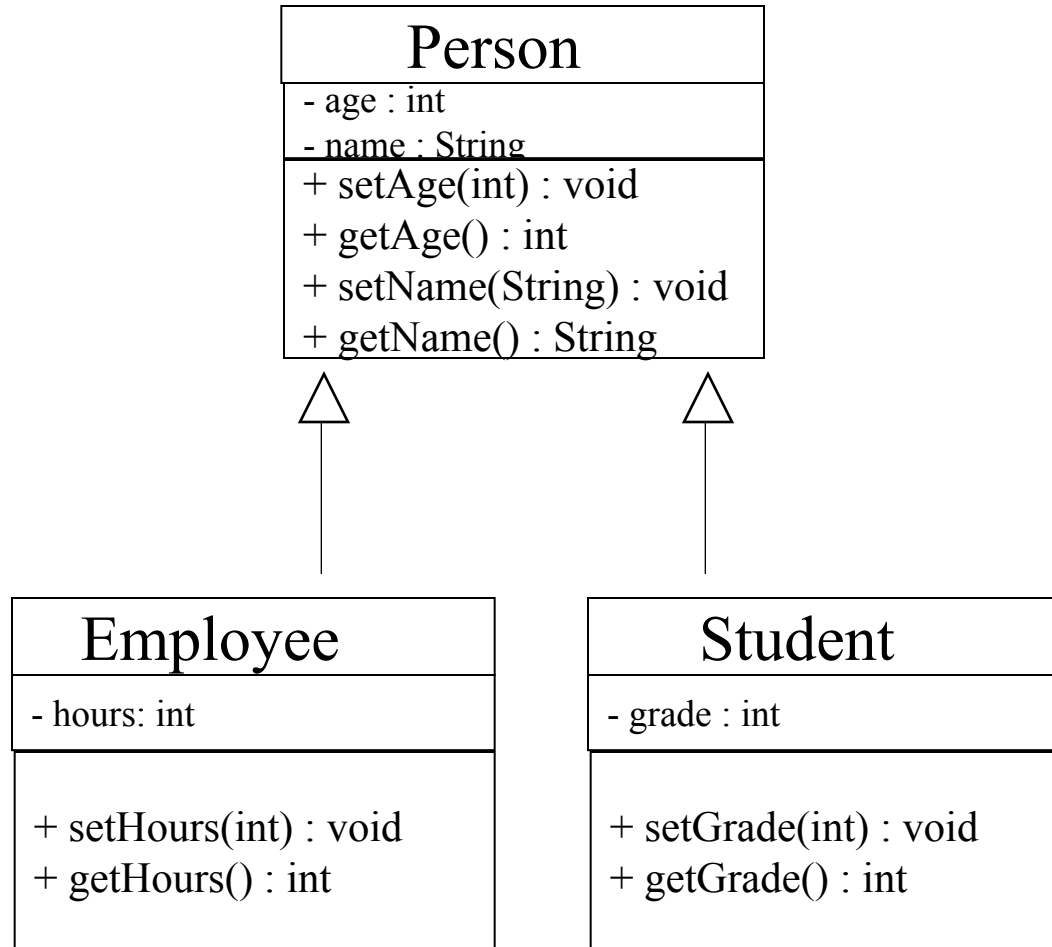


UML Class Diagram

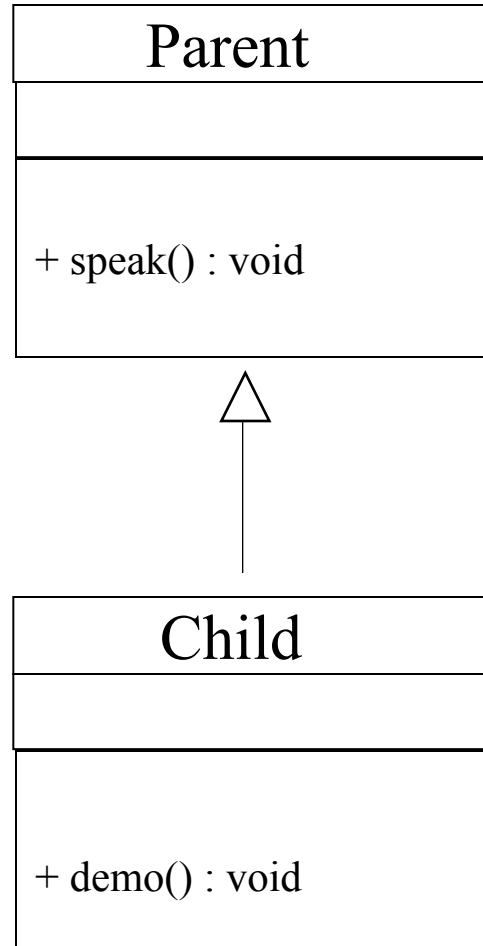
- private
+ public



Person Class Diagram



Inheritance Class Diagram



Class

- Class
 - class MyName [extends MySuperClass] [implements MyInterface1, MyInterface2] {
 - Data
 - Constructor
 - Method
 - }

Concrete Class

- Class
 - Concrete
 - Declared: public, private or protected members
 - Fully implemented methods
 - Data
 - final or non final
 - static or non-static
 - Can be instantiated to create objects

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