

9.3.1

Overloading - The process of making multiple methods with the same name have different types, orders, or the data is different.

Overriding

- Same method signatures
- In different classes

Overloading

- Method names are ~~different~~ ^{the} same
- Parameters are different.

9.3.2

Accessor - get/setter methods

Mutators - Setter methods

Inherited instance variables are set to private, which doesn't allow the child class to access them directly with dot-notation. Using getters and setters methods is necessary to access the instance variables and their data.

~~9.3.3~~ 9.4

When parent classes are overridden you cannot necessarily call it. The `super.method()` can be used to force call the parent method.

`Super();` - Calls the super constructor when it's located in the first line of the child constructor.

`Super.method();` - Calls the parent's method (not constructor).

The `super` keyword allows the superclass method to be executed and then modify it in the subclass.