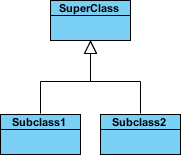
## Introduction

1. Inheritance

* SubClass1 and SubClass2 are specializations of Super Class.
* A solid line with a hollow arrowhead that point from the child to the parent class



1. Association

* There is an association between Class1 and Class2
* A solid line connecting two classes

Simple association

1. Aggregation

* A special type of association. It represents a "part of" relationship
* Class2 is part of Class1.
* Many instances (denoted by the \*) of Class2 can be associated with Class1.
* Objects of Class1 and Class2 have separate lifetimes.
* A solid line with an unfilled diamond at the association end connected to the class of composite

Aggregation

1. Composition

* A special type of aggregation where parts are destroyed when the whole is destroyed.
* Objects of Class2 live and die with Class1.
* Class2 cannot stand by itself.
* A solid line with a filled diamond at the association connected to the class of composite

Composition

1. Dependency

* Exists between two classes if changes to the definition of one may cause changes to the other (but not the other way around).
* Class1 depends on Class2
* A dashed line with an open arrow

Dependency

Ref:

1. Class Diagram

<https://www.youtube.com/watch?v=UI6lqHOVHic>

1. Sequence Diagram

<https://www.youtube.com/watch?v=pCK6prSq8aw>