

Inheritance And Types.

Aggrigation. (has a relation.)

Aggrigation occure
When a class behaves as
an instance of another
class.

Example:

A house is made of door object
window object etc all included
in a single object house.

- The Number is a part of object/class

Composition:

It is part whole relationship. Where a part can only be a part of one object at a time.

This means when a part is created when object is created and destroyed when object is destroyed.

The Capability of class to derived properties and characteristics of another class called inheritance.

Inheritance & its Different

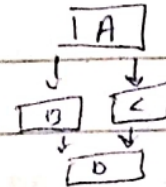
types:

Reusability.

Reusing save time

Types of inheritance.

- Single inheritance \rightarrow aik sy aik banana
- Multiple inheritance \rightarrow do Yan 2 id sy aik bang
- Hierarchical Inheritance \rightarrow aik sy 2 Yan 2 id sy bang
 $A \rightarrow B \rightarrow C$
- Multilevel Inheritance \rightarrow Animal \rightarrow mammal \rightarrow human
- Hybrid Inheritance \rightarrow



Derived Class Syntax.

Class {derived-class name} : visibility mod bas-class^{name}

Note: Visibility mode by default private

Private Visibility mode: Public members of base class becomes private member of derived class.

Public Visibility mode: public members of the derived class becomes public member of derived class.

- Private member of base class never inherited ^{derived} base class

Base Class / Super Class:

The class whose properties are inherited by subclass is called Base or super class.

Sub class.

The class that derived

or whose properties are inherited by
base class called subclass.