Master Core Java in 30 days

Day-9

Inheritance in Java

Core Java

@7:30 PM Today

Inheritance

The process of an object can acquire the properties of another class is said to be inheritance

Or

Inheritance in Java is a mechanism in which one object acquires all the properties and behaviors of a parent object.

Class: A class is a group of objects which have common properties. It is a template or blueprint from which objects are created.

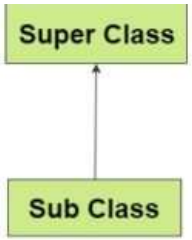
Sub Class/Child Class: Subclass is a class which inherits the other class. It is also called a derived class, extended class, or child class.

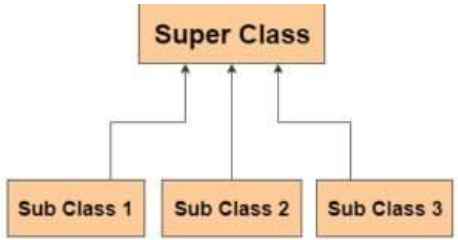
Super Class/Parent Class: Super class is the class from where a subclass inherits the features. It is also called a base class or a parent class.

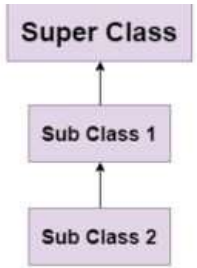
Reusability: As the name specifies, reusability is a mechanism which facilitates you to reuse the fields and methods of the existing class when you create a new class. You can use the same fields and methods already defined in the previous class.

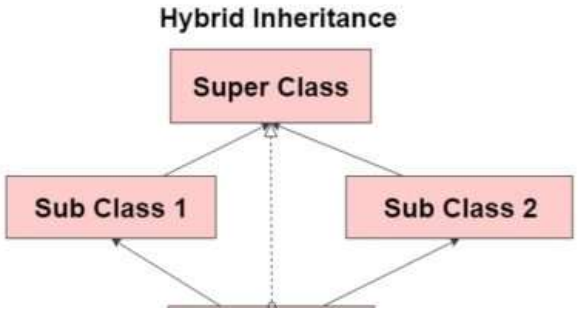
Types of Inheritance

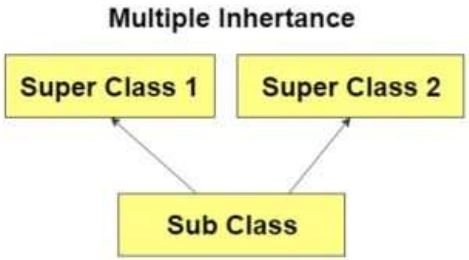
```
class Subclass name (dept)
extends
Superclass-
name  (Employee)
{
  //methods and fields
}
```

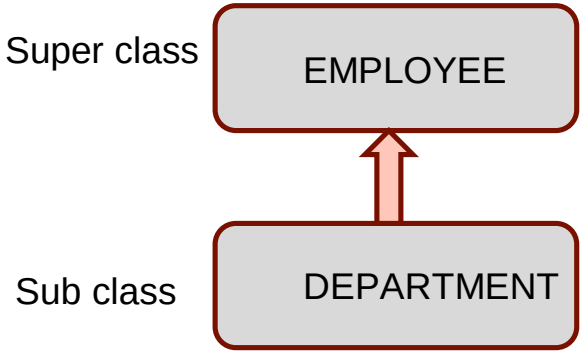




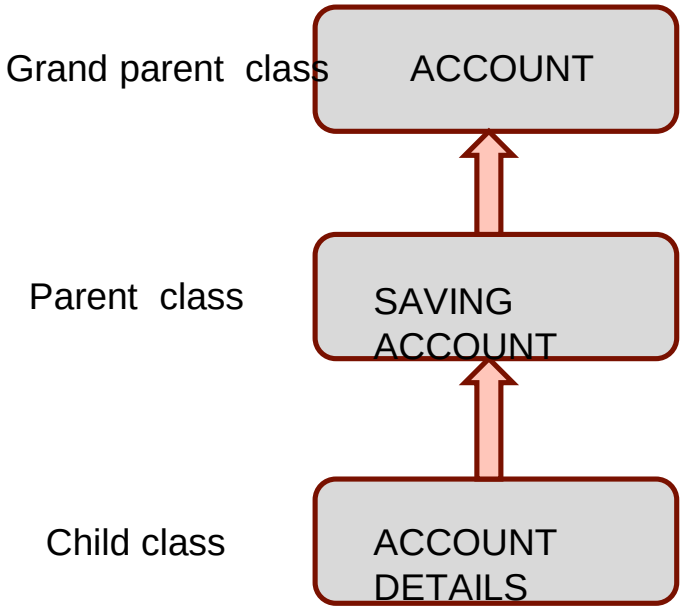




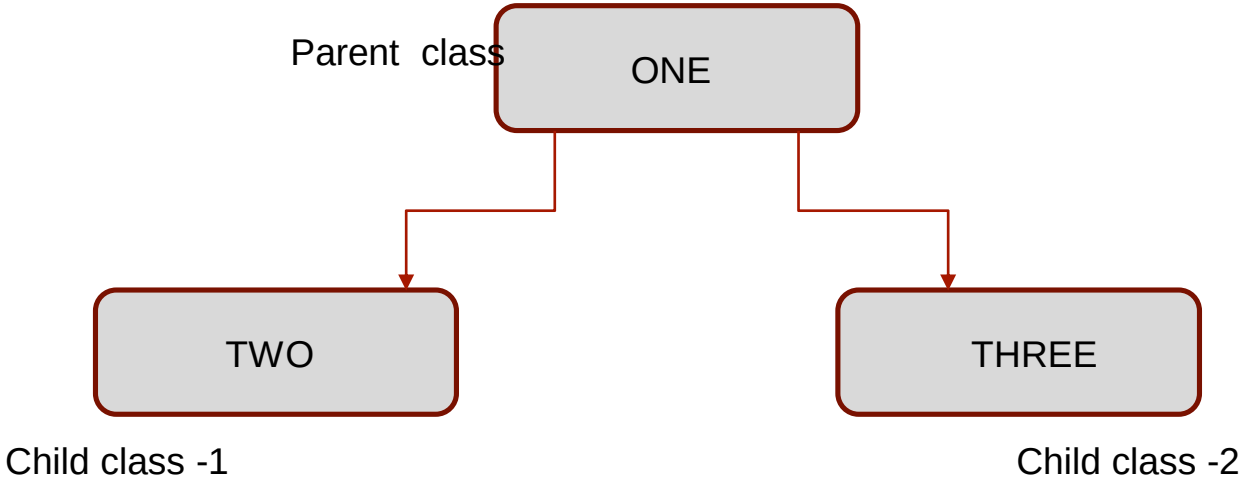




Single Inheritance

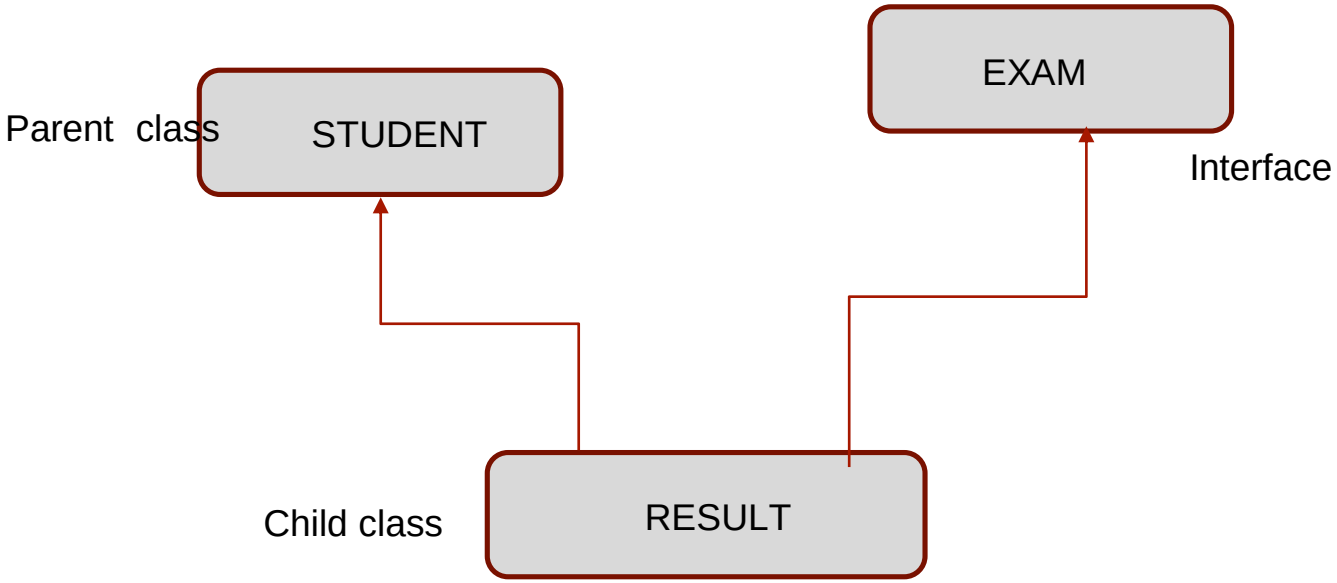


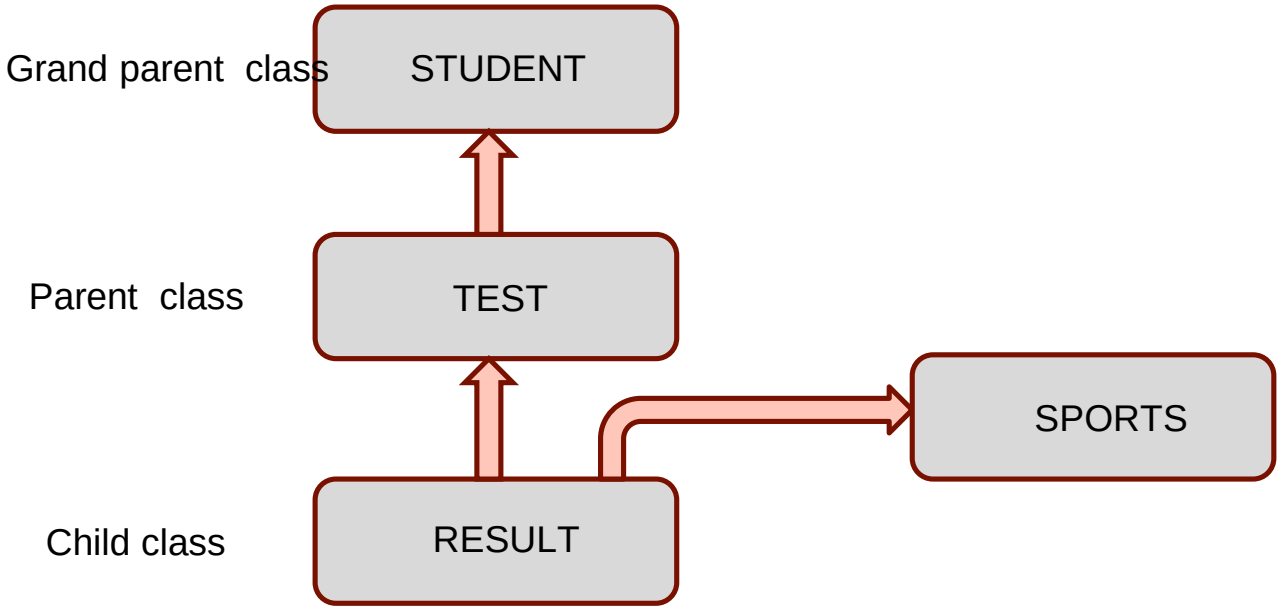
Multi-Level Inheritance



Hierarchal Inheritance

Multiple Inheritance





Hybrid Inheritance

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