

Day-11

Inheritance

Aquiring all the properties(Variables) & behaviour(methods) from one class to another class is called inheritance.

class A--- variables & methods

class B --- variables & methods

class B extends A

```
{  
}
```

A - Parent / Super/ Base

B - Child /Sub /Derived

objectives

- 1) re-usability
- 2) avoid duplication

types

- 1) Single
- 2) Multi level
- 3) Hierarchy
- 4) Multiple

Object --- root class of all the classes

overriding

Method Overriding:

- 1) Possible only in Multiple classes/inheritance.
- 2) We should NOT change the definition of the method but body we should change.
- 3) method names are same
- 4) Related to inheritance

Method Overloading

- 1) Possible in Single & Multiple classes/inheritance
- 2) We should change the definition of the method
- 3) method names are same.
- 4) Related to polymorphism

super

- 1) super keyword invokes immediate parent class variable
- 2) super keyword invokes immediate parent class method

keywords

static

this

super

final - next session

