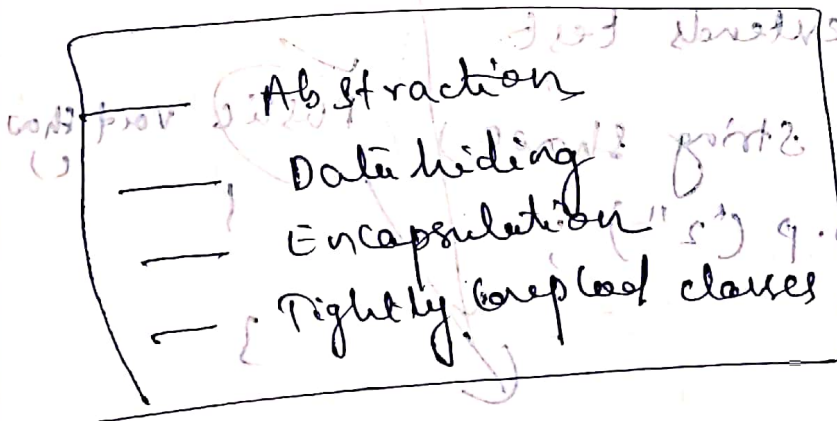
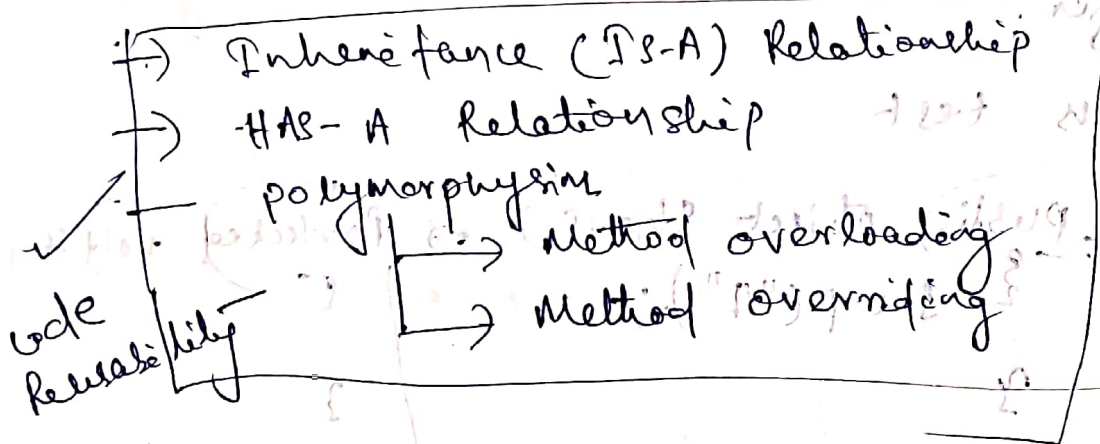


Abstract class

OOPS

- class
- object & method



Security

protected
allowed
restricted

Abstraction

Ab. Hiding internal implementation & showing the setup services that we are offering. Two ways are used in java

- By using Abstract class (0-100%)
- By using interface (100%)

e.g.

Car
 ↓
 no.-of-tyres = 4
 start ()
 { s.o.p ("start with car"); }

Scoter
 ↓
 no.-of-tyres = 2
 start ()
 { s.o.p ("start with scoter"); }

~~Vehicle~~

Vehicle
 { no.-of-tyres ;
 ("start")
 }

Program

abstract class Vehicle
 {
 int no.-of-tyres;
 abstract void start();
 }

1) * If a method is abstract then the class must be abstract but an abstract class may or maynot have abstract method (0% - 100%)

2) class can extends Vehicle

{
 void start()
 { s.o.p ("start with car"); }
 }

2) * If a class inherits the a abstract class then all the abstract method in abstract class should be defined in inherited class.

class Scoter extends Vehicle
 {
 void start()
 { s.o.p ("start with scoter"); }
 }

3) * Abstract class object should not be created