**Method overriding**

During inherited class subclass can change method implementation of superclass then it is method override

* Method override can possible only relation between two classes
* Sub class and super class having same method signature

Suppose sub class override a supper class it cant effects other sub classes

**Example:**

**class A**

**{**

**public void play()**

**{**

**System.out.println("kabadi");**

**}**

**}**

**class B extends A**

**{**

**public void play()**

**{**

**System.out.println("cricket");**

**}**

**}**

**public class MethodOverride1 {**

**public static void main(String[] args) {**

**B obj = new B() ;**

**obj.play();**

**}**

**}**

**Method overloading**

The processes of developing multiple methods with same name but different arguments list is called method overloading

* Method over loading is possible both static and non-static variables
* Method overloading inheritance is not compulsory

EXAMPLE:

**public class MethodOverloading {**

**public void add (int i)**

**{**

**System.out.println(i);**

**}**

**public void add (int i, int j)**

**{**

**System.out.println(i+j);**

**}**

**public static void main(String[] args)**

**{**

**MethodOverloading obj = new MethodOverloading();**

**obj.add(0);**

**obj.add(1,2);**

**}**

**}**