**Method Overloading and Method Overriding**

**Method Overloading**

**Method Overloading** occurs when two or more **methods** in one class have the same **method** name but **different** parameters..

Example: frames are real example for method overloading

Important Points

* Overloaded methods MUST change the argument list
* Overloaded methods CAN change the return type
* Overloaded methods CAN change the access modifier
* **A method can be overloaded in the same class or in a subclass**

**Note:**

**Access modifiers and return type will not consider in method overloading.**

**It may be any type.**

**Java Method Overloading example**

class OverloadingExample{

static int add(int a,int b){return a+b;}

static int add(int a,int b,int c){return a+b+c;}

}

**Method Overriding:**

**Method Overriding** means having two **methods** with the same **method** name and parameters (i.e., **method** signature). One of the **methods** is **in the** parent class and the other is **in the** child class.