**Method :**

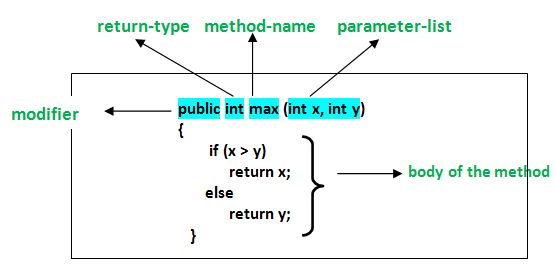
A Java method is a collection of statements that are grouped together to perform an operation.

public static int methodName(int a, int b)

{

// body

}



Class contains multiple methods.

We can call one method in another method without using an object iff both methods belongs to same class. Example is in eclipse

SO, if want to call one method from another method, then directly give a call (without using an object.) IT HAPPENS ONLY IN SAME CLASS

# **What is method hiding in Java and how to use it?**

When super class and sub class contains same method including parameters and if they are static.

The method in the super class will be hidden by the one that is in the sub class. This mechanism is known as method hiding.

## Example

class Demo{

public static void demoMethod() {

System.out.println("method of super class");

}

}

public class Sample extends Demo {

public static void demoMethod() {

System.out.println("method of sub class");

}

public static void main(String args[] ) {

Sample.demoMethod();

}

}

## Output

method of sub class

**Static methods can be overloaded**

**Static methods cannot be overridden (it is called method hiding)**