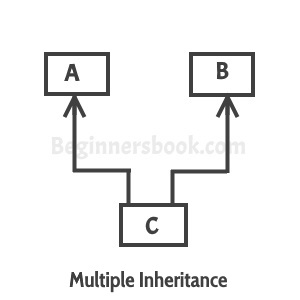
**Inheritance in java** is a mechanism in which a child class acquires all the properties and behaviors of a parent class. The aim of inheritance is to provide the reusability of code.

Child class can access parent class’s methods and variables.

We achieve inheritance using extends keyword. Example is in eclipse : InheritanceDemo, InheritanceDemo2.

**multiple inheritance :**

When one class extends more than one classes then this is called **multiple inheritance**. For example: Class C extends class A and B then this [type of inheritance](https://beginnersbook.com/2013/05/java-inheritance-types/) is known as multiple inheritance. Java **doesn’t** allow multiple inheritance.



**multilevel inheritance :**

When a class extends a class, which extends another class then this is called **multilevel inheritance**. For example class C extends class B and class B extends class A then this [type of inheritance](https://beginnersbook.com/2013/05/java-inheritance-types/) is known as multilevel inheritance.  
Lets see this in a diagram:  
