# [Implementing two interfaces in a class with same method. Which interface method is overridden?](https://stackoverflow.com/questions/2801878/implementing-two-interfaces-in-a-class-with-same-method-which-interface-method)

Two interfaces with same method names and signatures. But implemented by a single class then how the compiler will identify the which method is for which interface?

Ex:

interface A{

int f();

}

interface B{

int f();

}

class Test implements A, B{

public static void main(String... args) throws Exception{

}

@Override

public int f() { // from which interface A or B

return 0;

}

}

If a type implements two interfaces, and each interface define a method that has identical signature, then in effect there is only one method, and they are not distinguishable. If, say, the two methods have conflicting return types, then it will be a compilation error. This is the general rule of inheritance, method overriding, hiding, and declarations, and applies also to possible conflicts not only between 2 inherited interface methods, but also an interface and a super class method, or even just conflicts due to type erasure of generics.

* MOJO (**M**aven **O**ld **J**ava **O**bject) is a goal in Maven.
* In maven, everything is done by plugin, a plugin has one or more related mojos i.e. goals.
* Mojo is single unit of task in maven.

for example : elicpse:eclipse the eclipse plugin with eclipse goal is a MOJO

* Java does not support multiple inheritances but we can achieve the effect of multiple inheritances using interfaces. In interfaces, a class can implement more than one interface which can’t be done through extends keyword.  
  Please refer [Multiple inheritance in java](https://www.geeksforgeeks.org/java-and-multiple-inheritance/) for more.  
  Let’s say we have two interfaces with same method name (geek) and different return types(int and String)

|  |
| --- |
| public interface InterfaceX  {      public int geek();  }  public interface InterfaceY  {      public String geek();  } |

* Now, Suppose we have a class that implements both those interfaces:

|  |
| --- |
| public class Testing implements InterfaceX, InterfaceY  {  public String geek()      {          return "hello";      }  } |

* The question is: **Can a java class implement Two interfaces with same methods having the same signature but different return types??**  
  **No, its an error**  
  If two interfaces contain a method with the same signature but different return types, then it is impossible to implement both the interface simultaneously.

Selenium Server (Grid )

The Selenium Server is needed inorder to run the Remote selenium webdriver(GRID).