

# What's happened to the Interface since JDK 8

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Before JDK 8, the interface type could only have public abstract methods.

JDK 8 introduced the **default** and **public** static methods and JDK 9 introduced **private** methods, both static and non-static.

All of these new method types (on an interface) are concrete methods.

# The Interface Extension Method - the default method (as of JDK8)

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An extension method is identified by the modifier **default**, so it's more commonly known as the default method.

This method is a **concrete** method, meaning it has a code block and we can add statements to it.

In fact, it has to have a method body, even if the body is just an empty set of curly braces.

It's a lot like a method on a superclass because we can override it.

Adding a default method doesn't break any classes currently implementing the interface.

# Overriding a default method

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Just like overriding a method on a class, you have three choices when you override a default method on an interface.

- You can choose not to override it at all.
- You can override the method and write code for it, so that the interface method isn't executed.
- Or you can write your own code, and invoke the method on the interface, as part of your implementation.