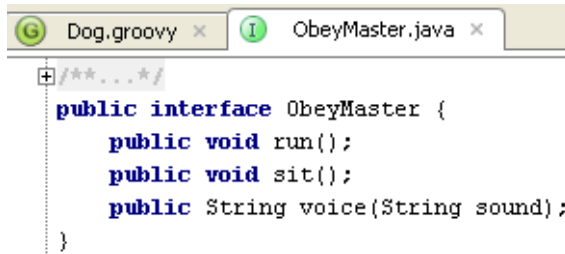


Instantiating Java Interface in Groovy

IntelliJ IDEA supports tight integration between Groovy and Java. For example, you can reference a Java interface from a Groovy script. So doing, you have to keep in mind that anonymous classes are not allowed in Groovy. That's why IntelliJ IDEA suggests a handy quick fix.

To instantiate a Java interface from a Groovy script

1. Create a Java interface you want to instantiate in a Groovy script. For example:



```
Dog.groovy x ObeyMaster.java x
+/**...*/
public interface ObeyMaster {
    public void run();
    public void sit();
    public String voice(String sound);
}
```

2. Open the desired Groovy script for editing, and type the following code:



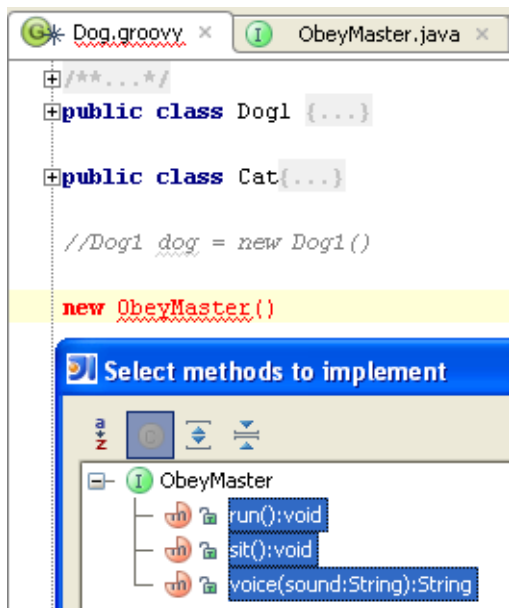
```
Dog.groovy x ObeyMaster.java x
+/**...*/
+public class Dog1 {...}
+public class Cat {...}
new ObeyMaster()
```

As you see, IntelliJ IDEA highlights this code as erroneous.

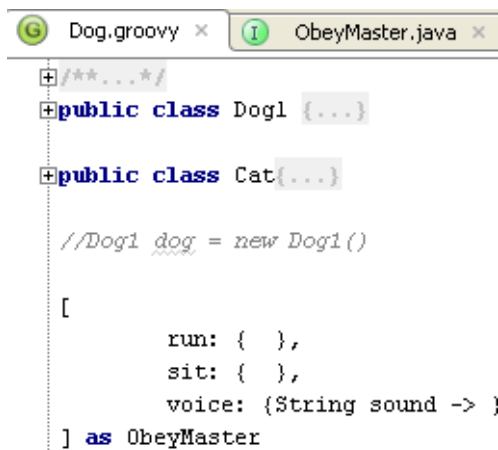
3. Press Alt+Enter to reveal the quick fix, and click *Dynamize invalid interface instantiation*.

4. Depending on the number of methods in the Java interface, the further behavior is different:

- **Java interface contains two or more methods.** In this case, you have to specify which methods should be implemented:



The instantiation code is converted to a map:



- **Java interface contains a single method.** In this case, the instantiation code is converted silently to a closure:

```
{String bar -> } as DisobeyMaster
```

See Also

Procedures:

- [Programming by Intention](#)

Web Resources:

- [Developer Community](#)