

25.14 How JShell Reinterprets Java for Interactive Use

In JShell:

- A `main` method is not required.
- Semicolons are not required on standalone statements.
- Variables do not need to be declared in classes or in methods.
- Methods do not need to be declared inside a class's body.
- Statements do not need to be written inside methods.
- Redeclaring a variable, method or type simply drops the prior declaration and replaces it with the new one, whereas the Java compiler normally would report an error.
- You do not need to catch exceptions, though you can if you need to test exception handling.
- JShell ignores top-level access modifiers (`public`, `private`, `protected`, `static`, `final`)—only `abstract` ([Chapter 10](#)) is allowed as a class modifier.
- The `synchronized` keyword ([Chapter 23](#), Concurrency) is ignored.
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`package` statements and Java 9 `module` statements are not allowed.