

LESSON 11

FRAMEWORK DESIGN

Framework



```
package print;
```

```
public class FrameworkPrinter {  
    public void print(String text){  
        System.out.println("FrameworkPrinter: "+text);  
    }  
}
```

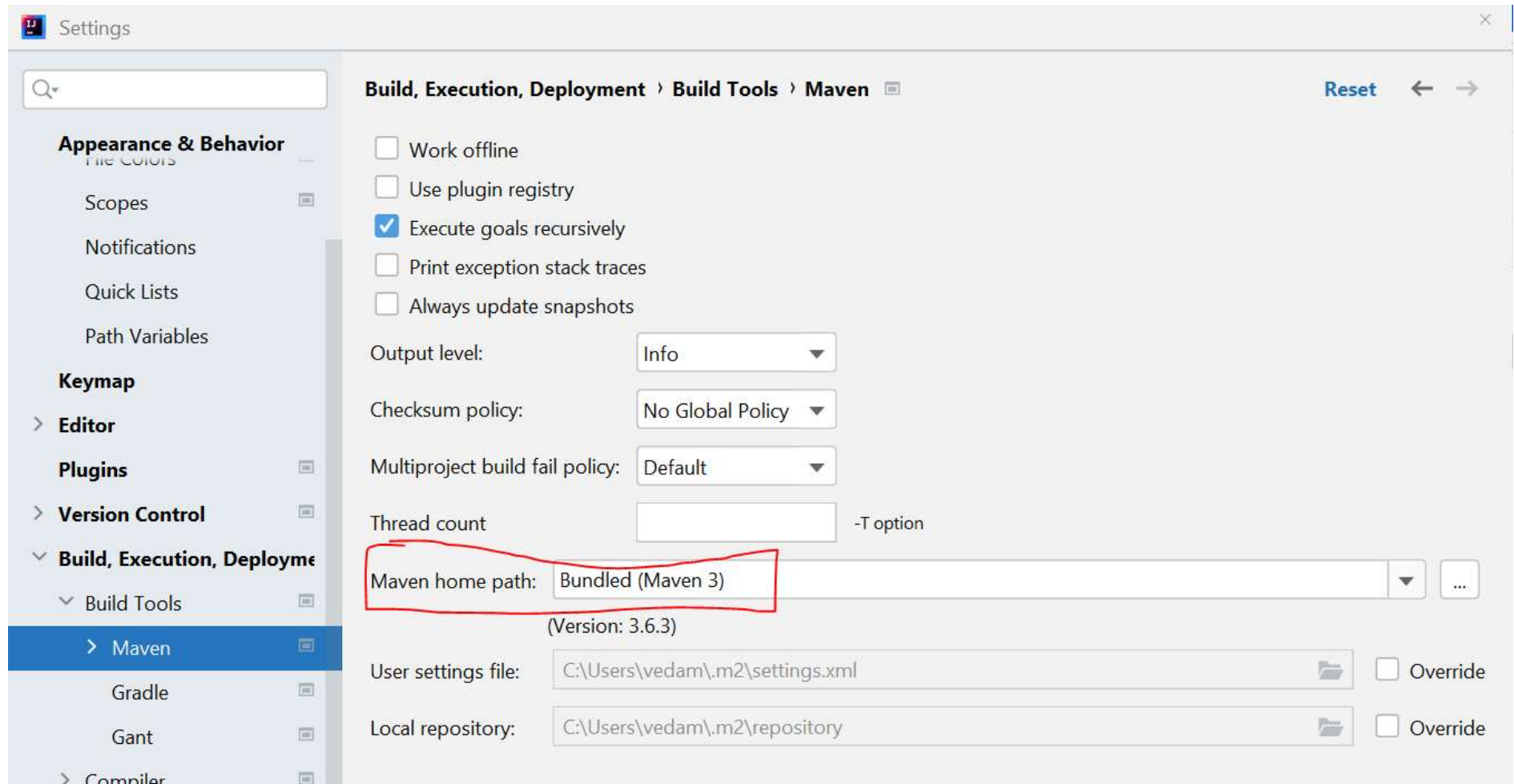
Framework POM file



```
FrameworkPrinter.java x pom.xml (counterWithObserverAndCommand) x
1 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema" ✓
2   <modelVersion>4.0.0</modelVersion>
3   <groupId>printer</groupId>
4     <artifactId>FrameworkPrinter</artifactId>
5   <version>0.0.1</version>
6   <properties>
7     <maven.compiler.source>17</maven.compiler.source>
8     <maven.compiler.target>17</maven.compiler.target>
9     <java.version>1.17</java.version>
10  </properties>
11
12 </project>
```

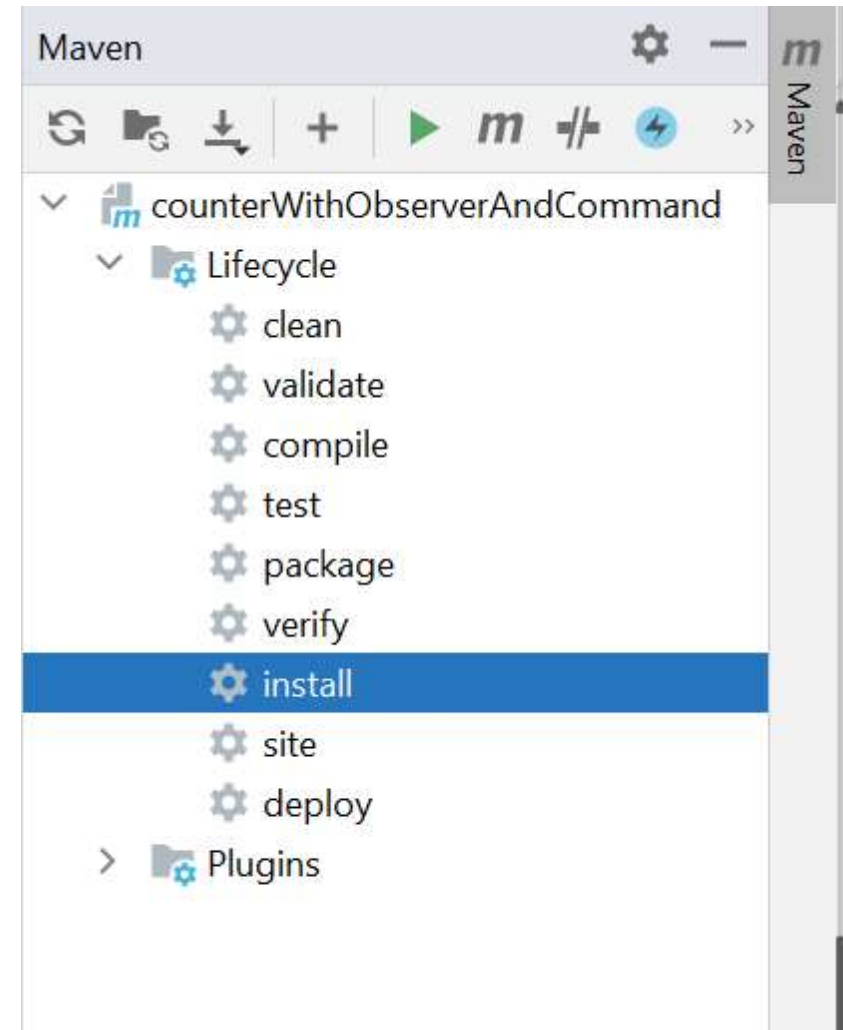
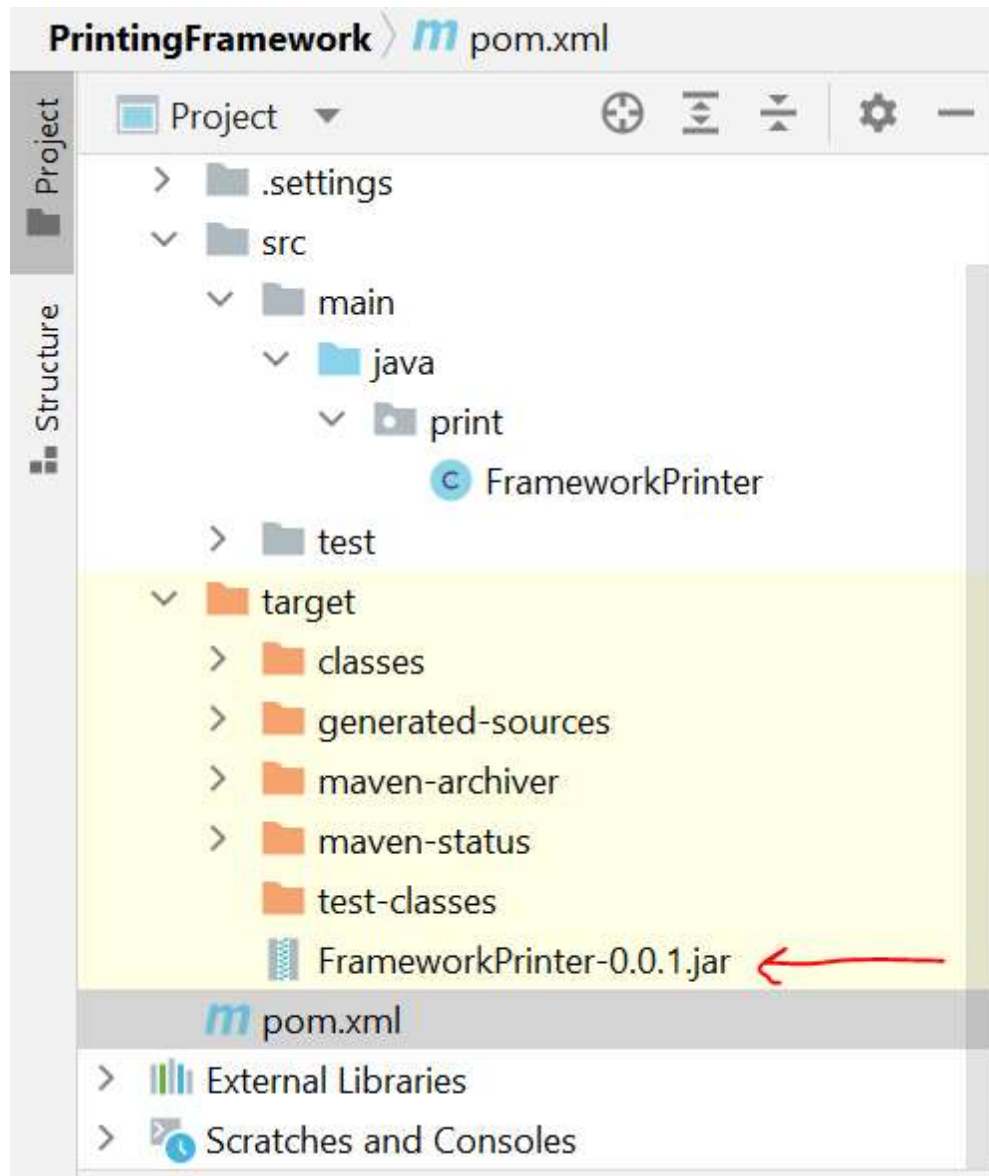
Make sure to set maven corect

Select **File->Settings->Build,Execution,Deployment->Build Tools->Maven**




Select **Bundled (Maven 3)** as Maven home path.

Creating a jar file



Application using the Framework



The screenshot shows an IDE with two tabs: 'pom.xml (PrintingApplicationr)' and 'Application.java'. The 'pom.xml' tab is active, displaying the following XML content:

```
1 <project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.o
2   <modelVersion>4.0.0</modelVersion>
3   <groupId>printer</groupId>
4   <artifactId>PrintingApplicationr</artifactId>
5   <version>0.0.1</version>
6   <properties>
7     <maven.compiler.source>17</maven.compiler.source>
8     <maven.compiler.target>17</maven.compiler.target>
9     <java.version>1.17</java.version>
10  </properties>
11  <dependencies>
12    <dependency>
13      <groupId>printer</groupId>
14      <artifactId>FrameworkPrinter</artifactId>
15      <version>0.0.1</version>
16    </dependency>
17  </dependencies>
18 </project>
```


Application using the Framework

```
package app;
```

```
import print.FrameworkPrinter;
```

```
public class Application {  
    public static void main(String[] args) {  
        FrameworkPrinter printer = new FrameworkPrinter();  
        printer.print("Hello World");  
    }  
}
```

