



TECH PRO ED

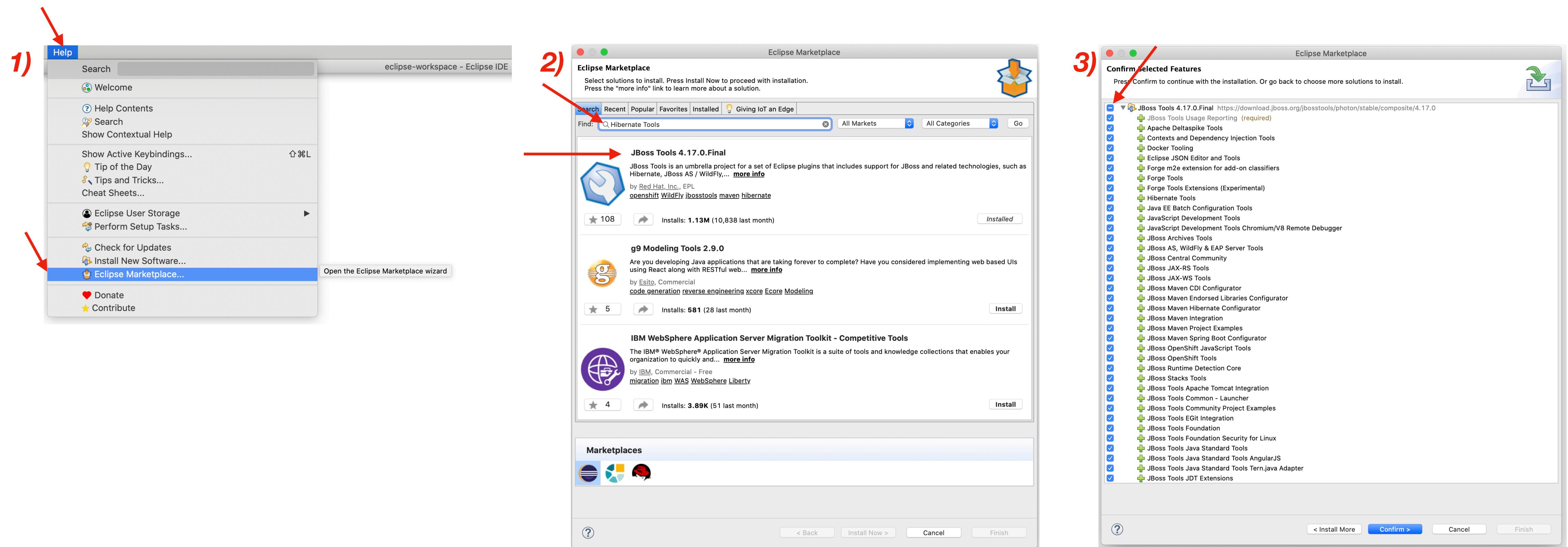
PROFESSIONAL TECHNOLOGY EDUCATION

HIBERNATE PLUGIN INSTALLATION

MAVEN PROJECT CREATION

CFG.XML FILE CREATION

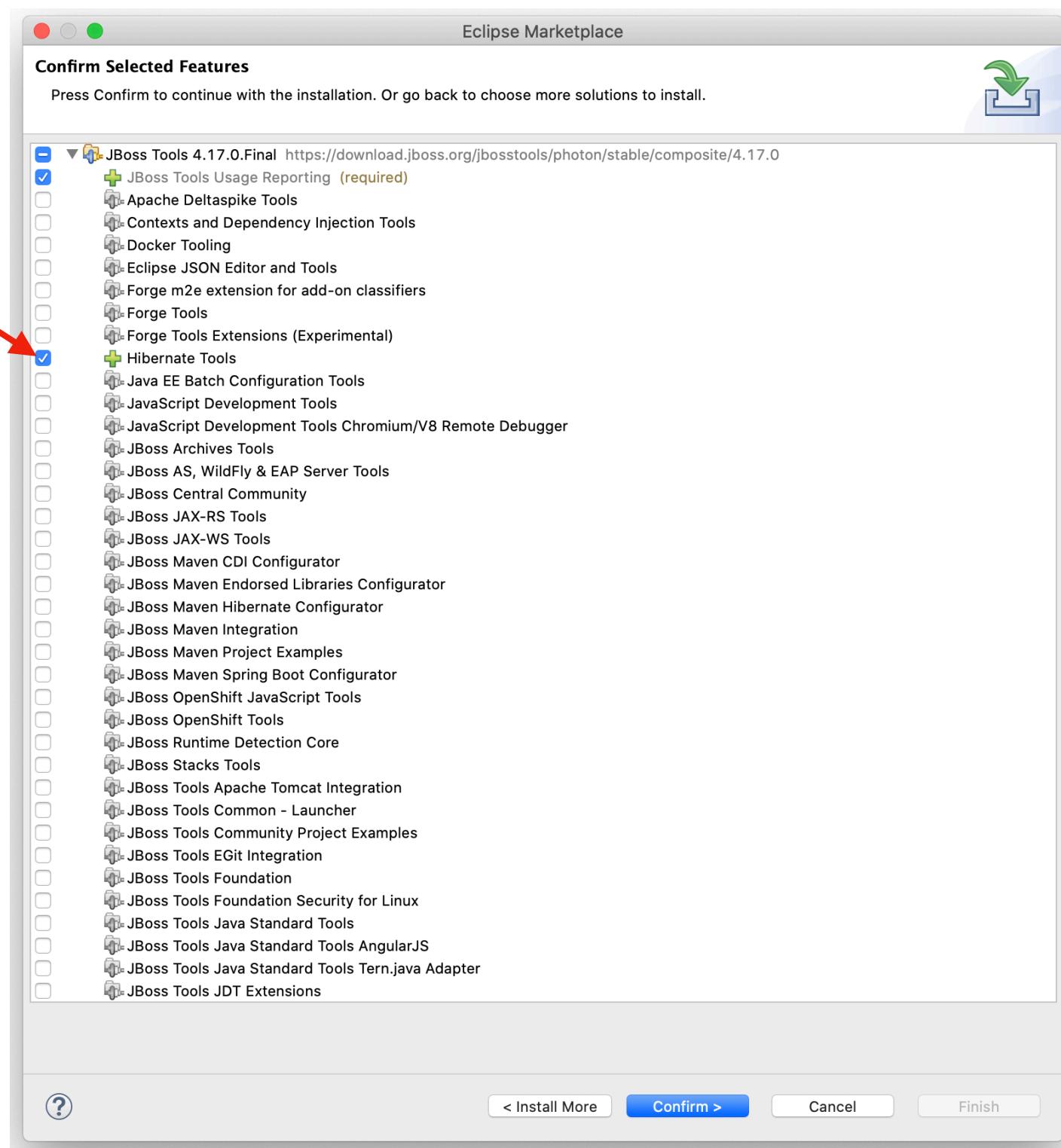
How to add Hibernate Plugin in Eclipse?



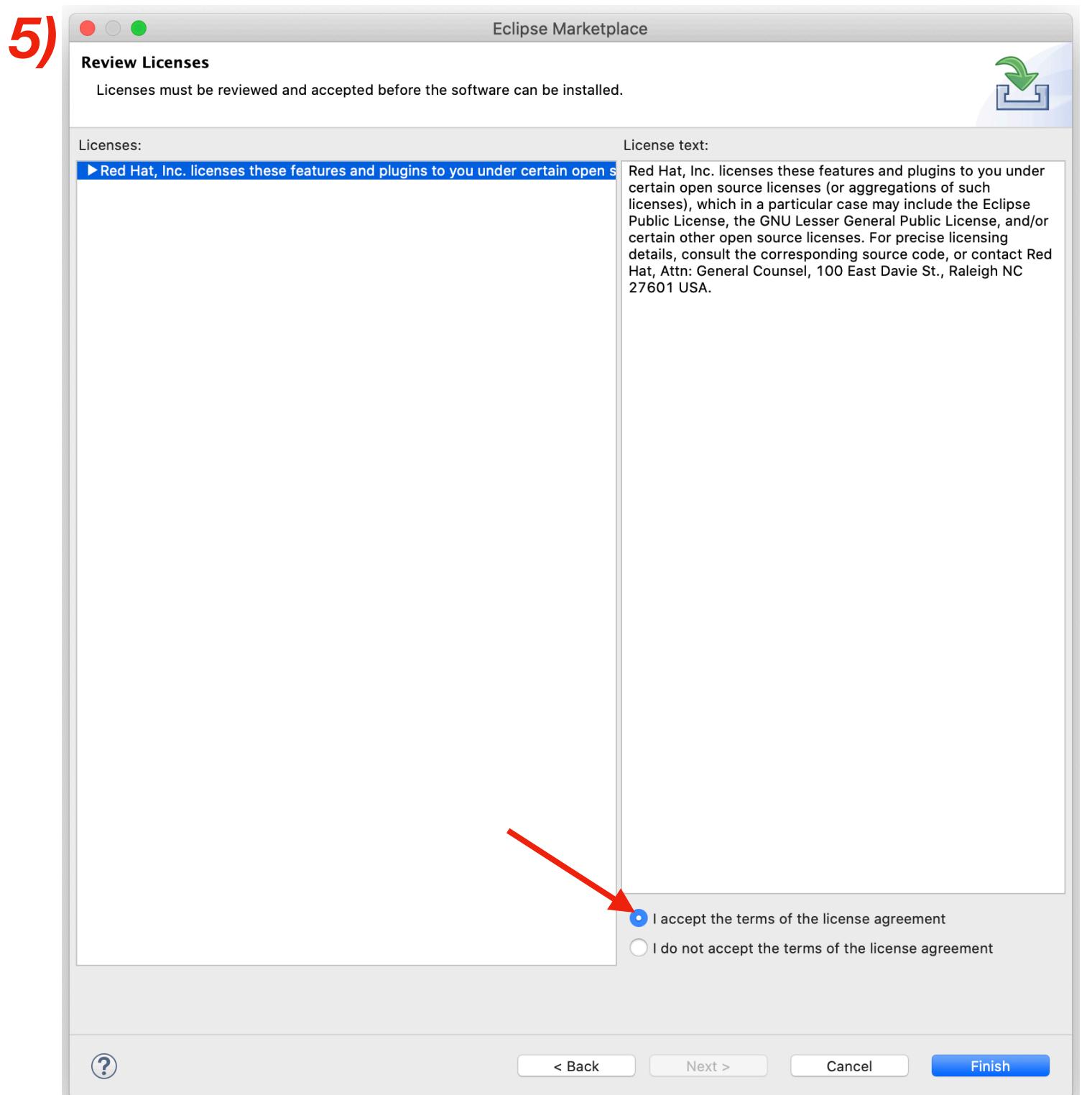
**Check your Eclipse version,
your Eclipse version should match
with the JBoss Tools version.
To see Eclipse version click on
“Eclipse” then “About Eclipse”**

To unselect all checkboxes click on the first checkbox

4)



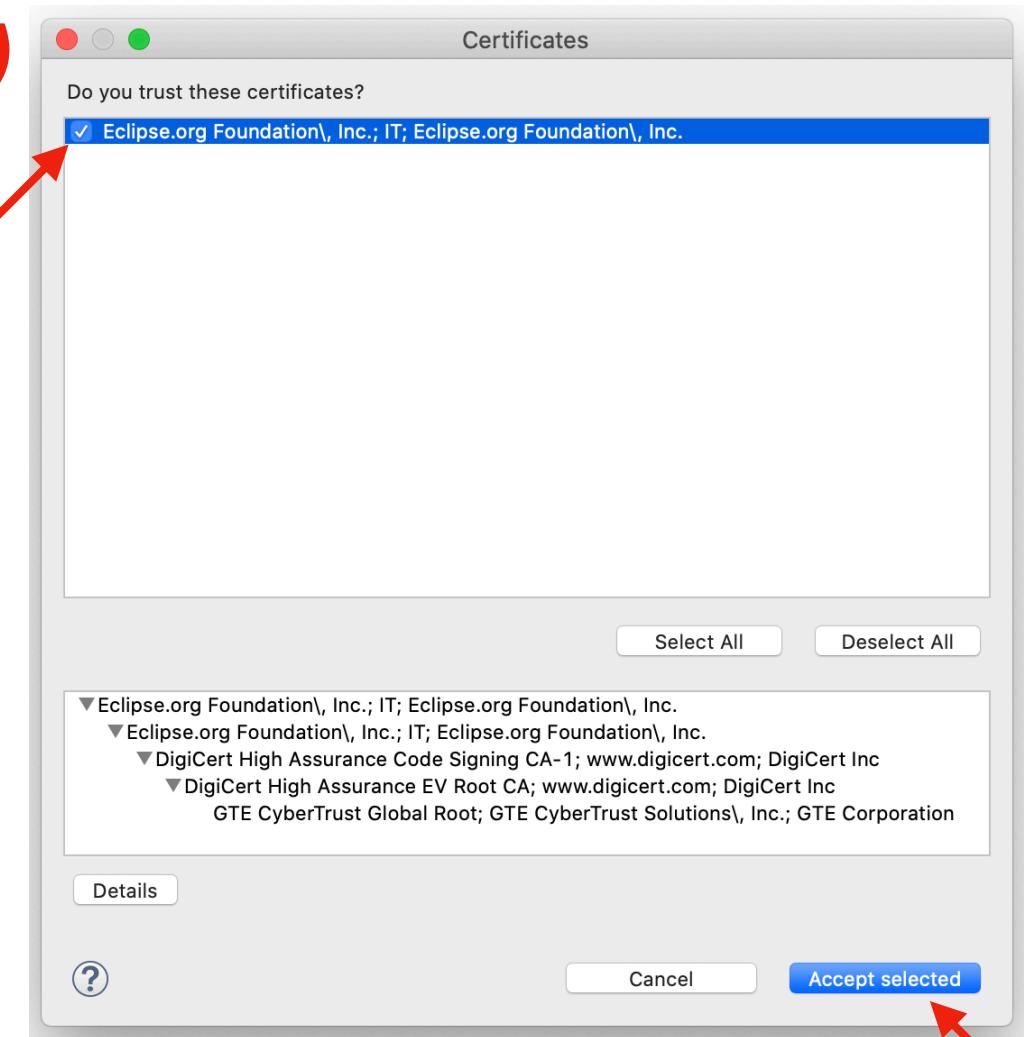
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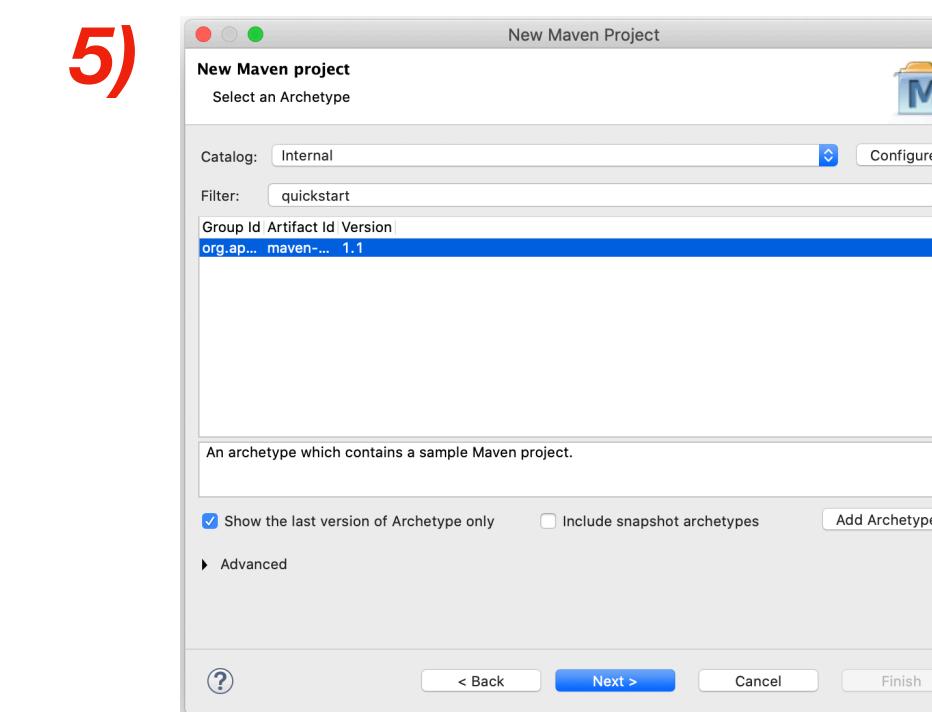
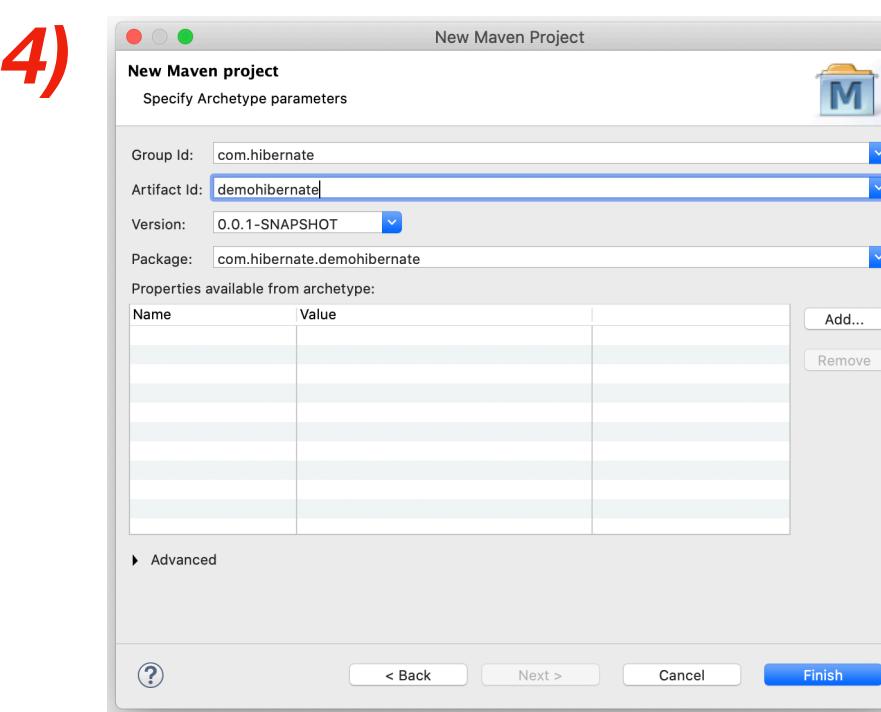
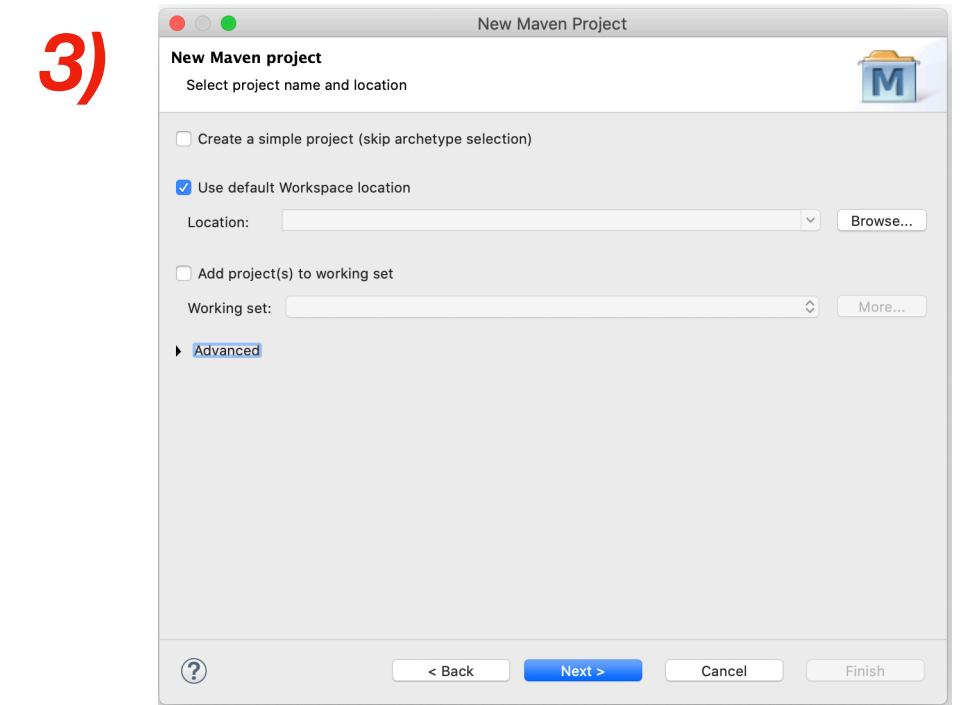
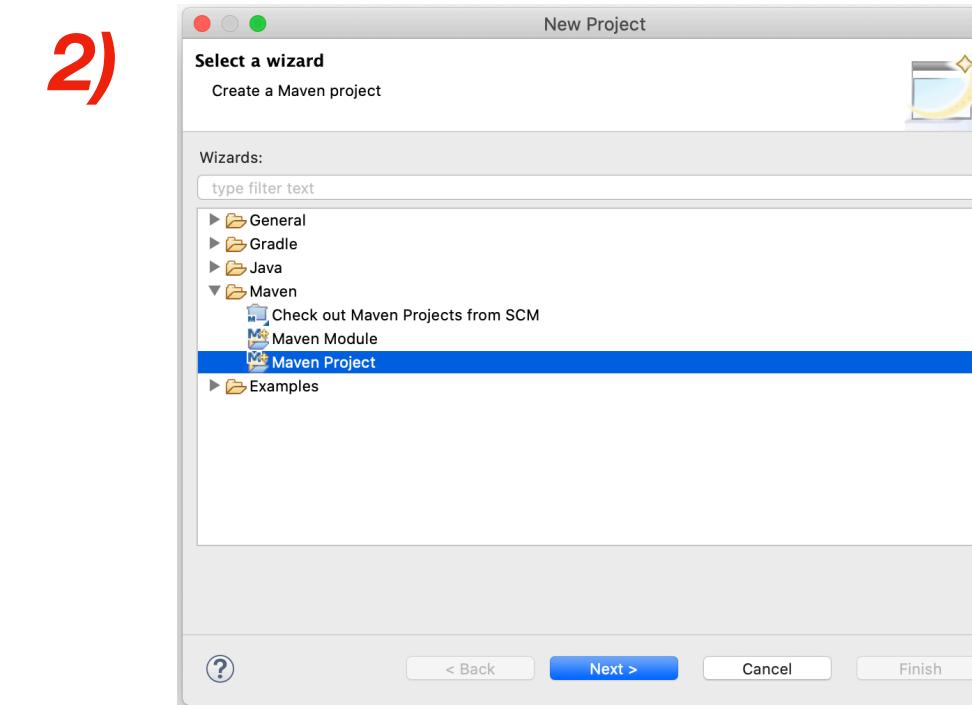
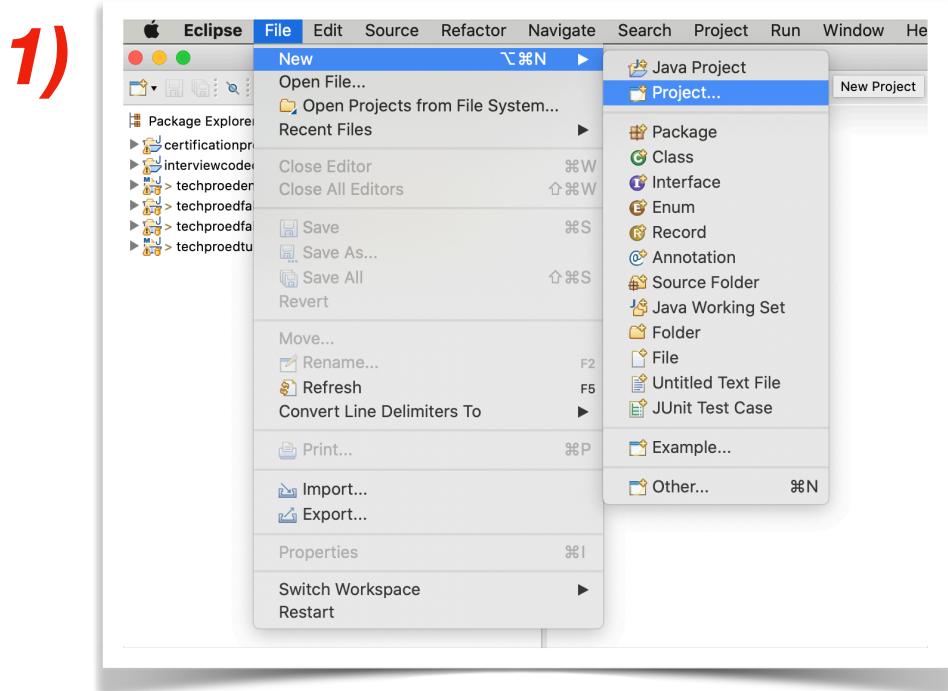
7)



8)



How to create a Maven Project for Hibernate?



Which dependencies to add to pom.xml file?

For SQL Connection

```
<dependency>
    <groupId>io.syndesis.connector</groupId>
    <artifactId>connector-sql</artifactId>
    <version>1.10.0</version>
    <scope>runtime</scope>
</dependency>
```

For Oracle JDBC

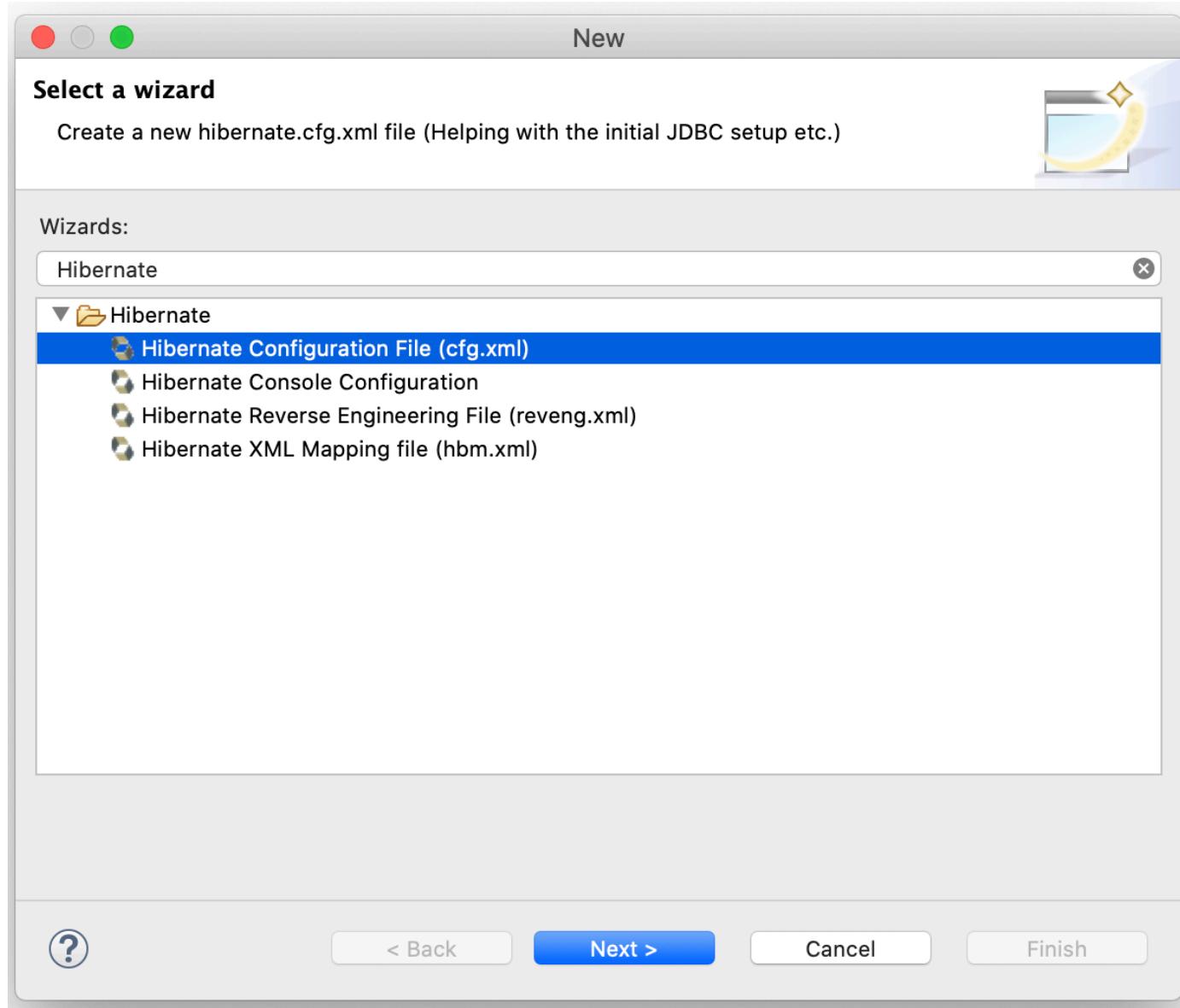
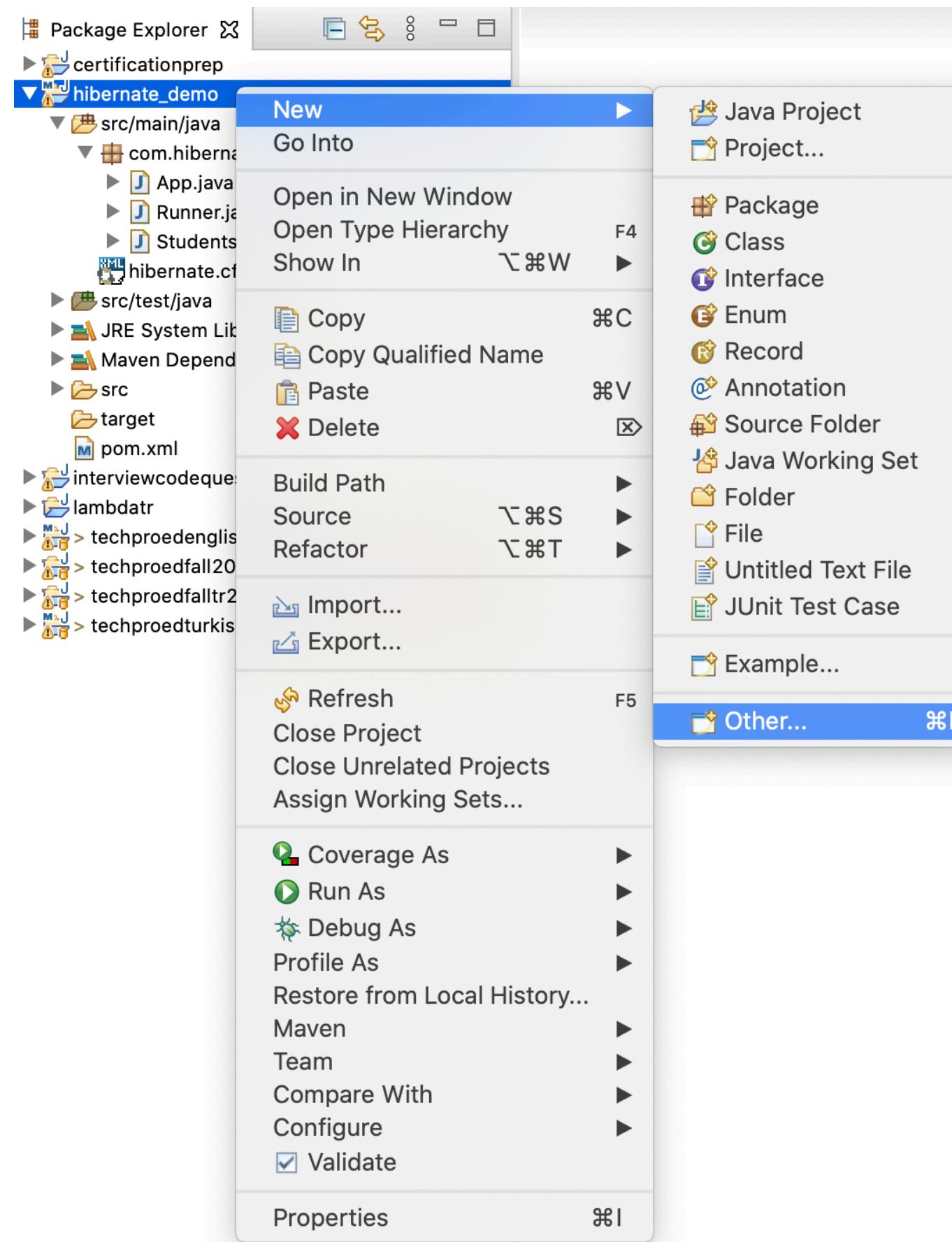
```
<dependency>
    <groupId>com.oracle.database.jdbc</groupId>
    <artifactId>ojdbc10</artifactId>
    <version>19.8.0.0</version>
</dependency>
```

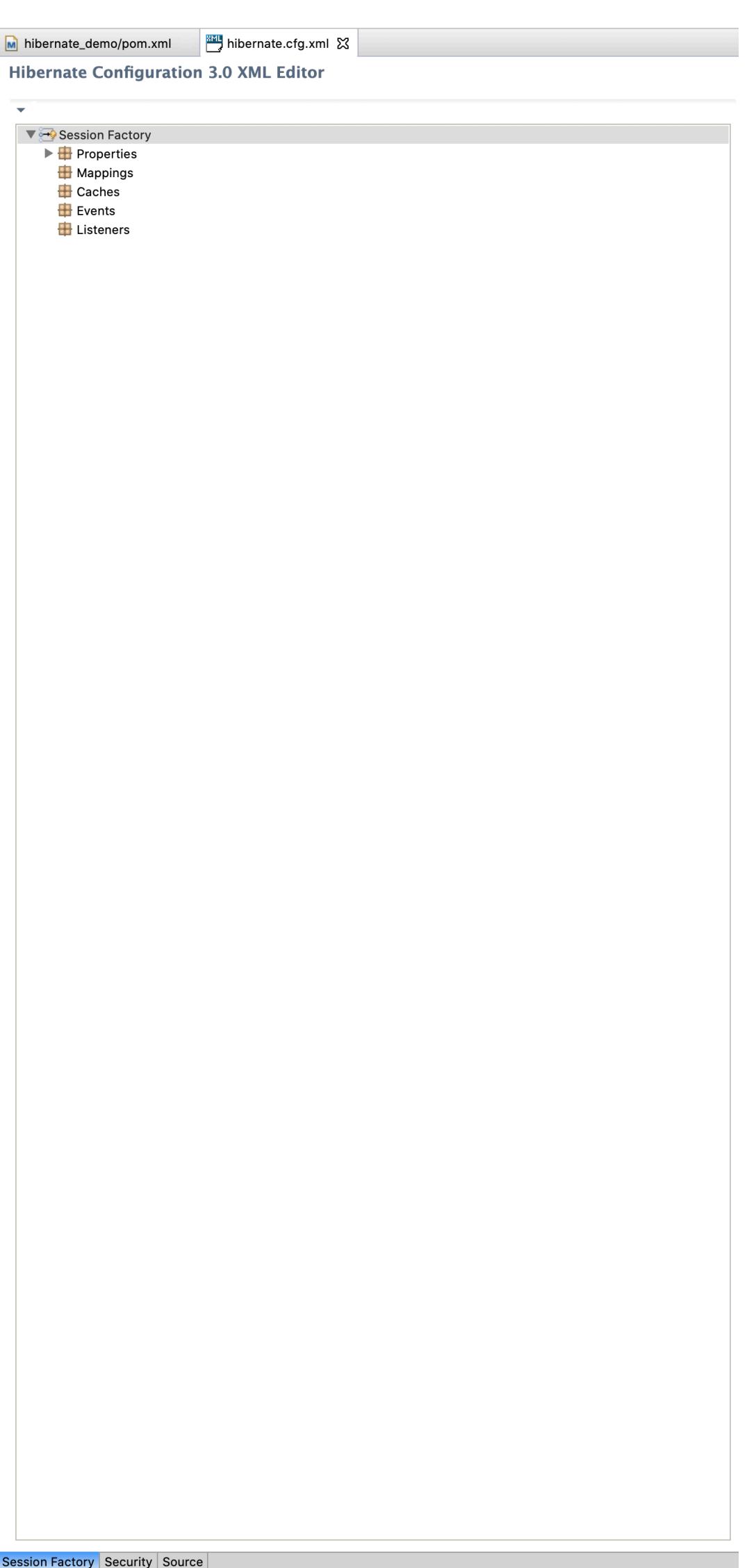
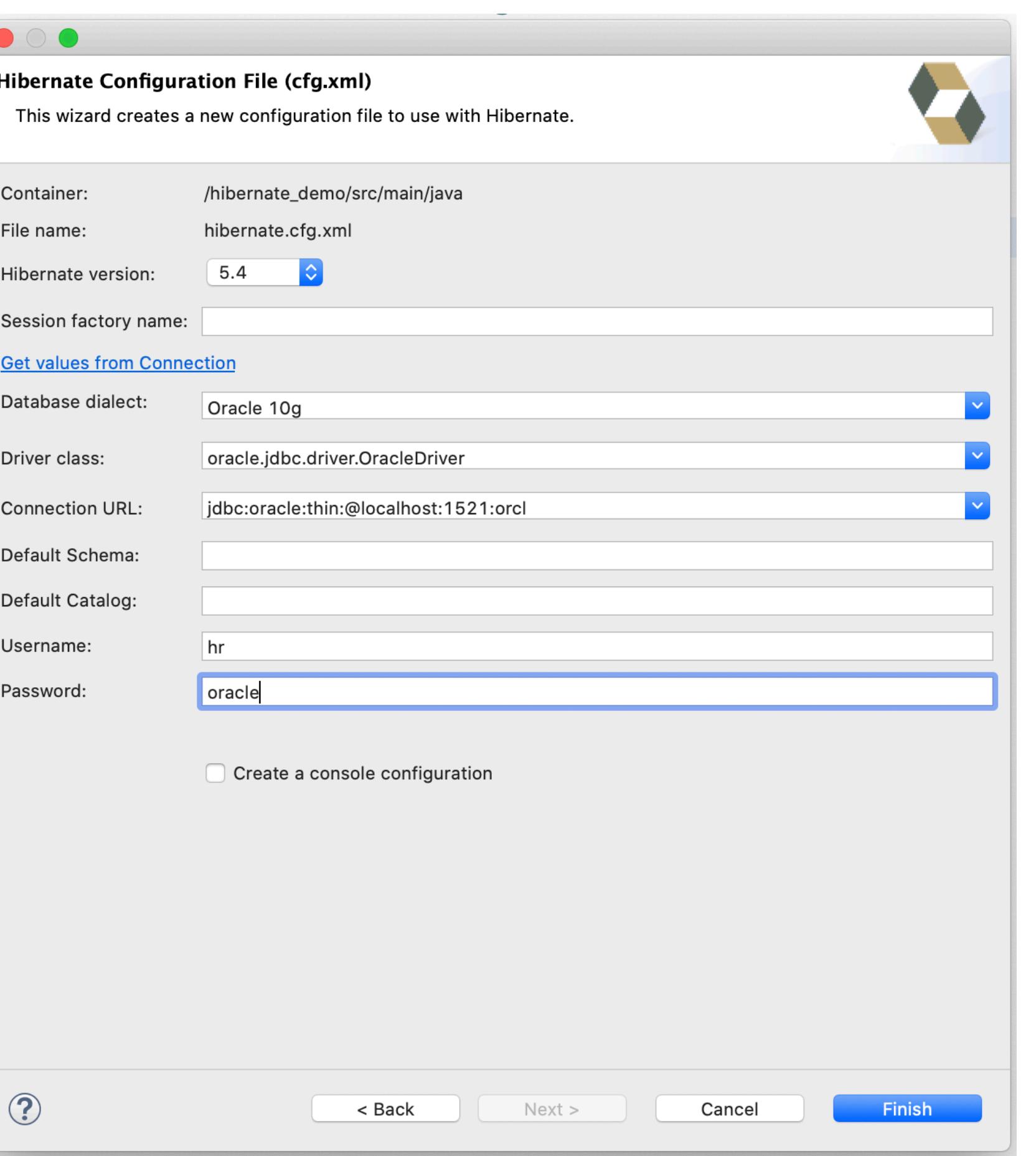
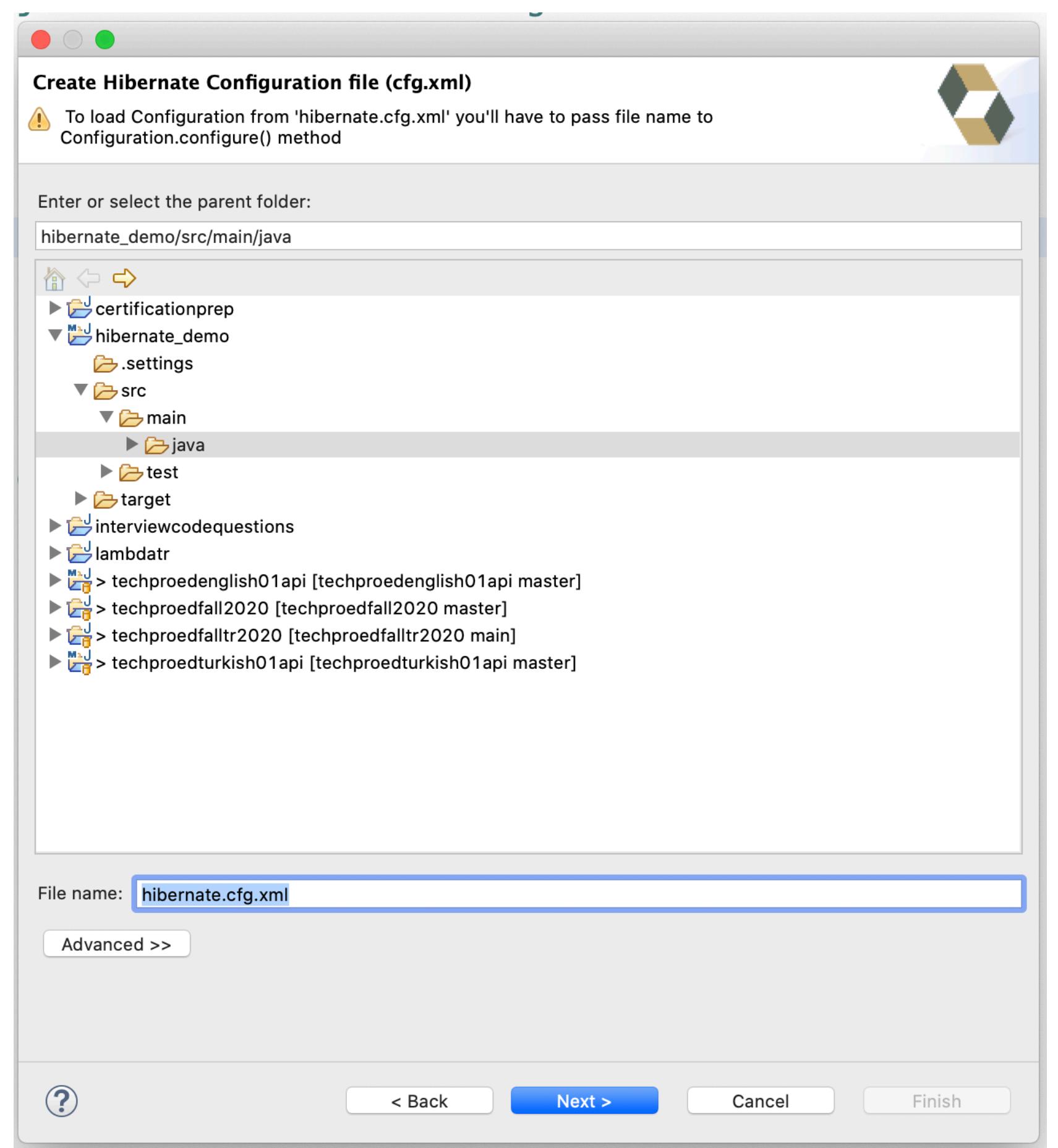
For Hibernate jar

```
<dependency>
    <groupId>org.hibernate</groupId>
    <artifactId>hibernate-core</artifactId>
    <version>5.4.23.Final</version>
</dependency>
```

Note: After adding dependencies do not forget to save and update the project...

How to create hibernate.cfg.xml file?





This is the Service Name which you created for SQL

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <!DOCTYPE hibernate-configuration PUBLIC
3   "-//Hibernate/Hibernate Configuration DTD 3.0//EN"
4   "http://www.hibernate.org/dtd/hibernate-configuration-3.0.dtd">
5<hibernate-configuration>
6  <session-factory>
7    <property name="hibernate.connection.driver_class">oracle.jdbc.driver.OracleDriver</property>
8    <property name="hibernate.connection.password">oracle</property>
9    <property name="hibernate.connection.url">jdbc:oracle:thin:@localhost:1521:orcl</property>
10   <property name="hibernate.connection.username">hr</property>
11   <property name="hibernate.dialect">org.hibernate.dialect.Oracle10gDialect</property>
12 </session-factory>
13 </hibernate-configuration>
14
```

This is the username which you created for SQL

<property name="hbm2ddl.auto">update</property>

Type the above code between the line 11 and line 12.

If you type “**update**” it adds new data to the table

If you type “**create**” it creates the table from scratch in every run

Remove “:” and put “/”