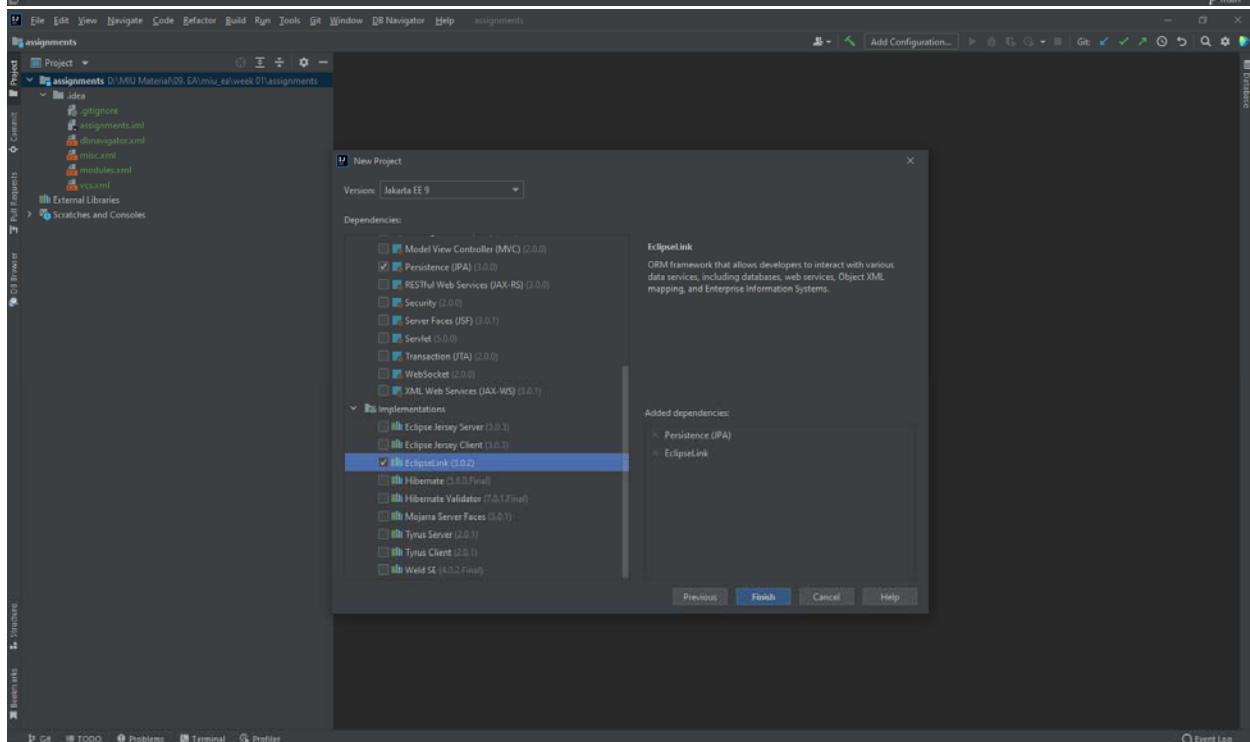
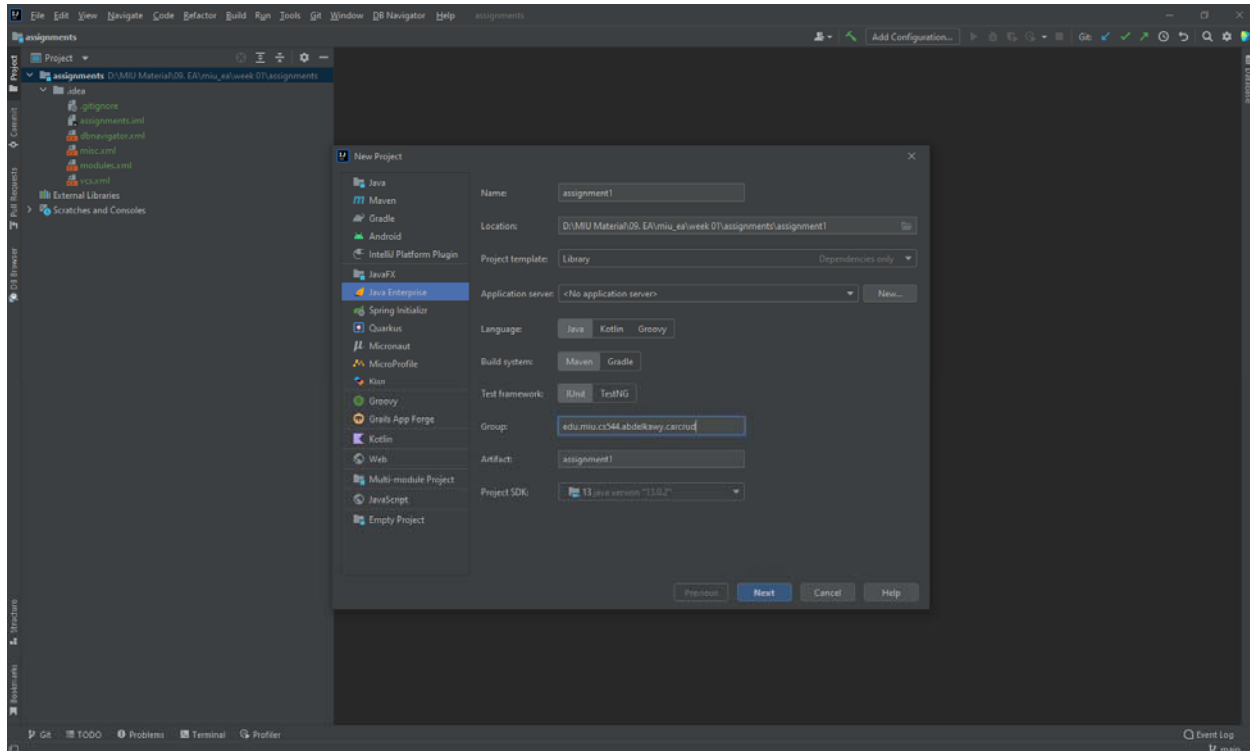


Week 01 Assignment

Project Creation in IntelliJ

New Project -> Java Enterprise => Select Version: Jakarta EE, Spec: Persistence(JPA), Impl: EclipseLink



Add Dependency for mysql connector

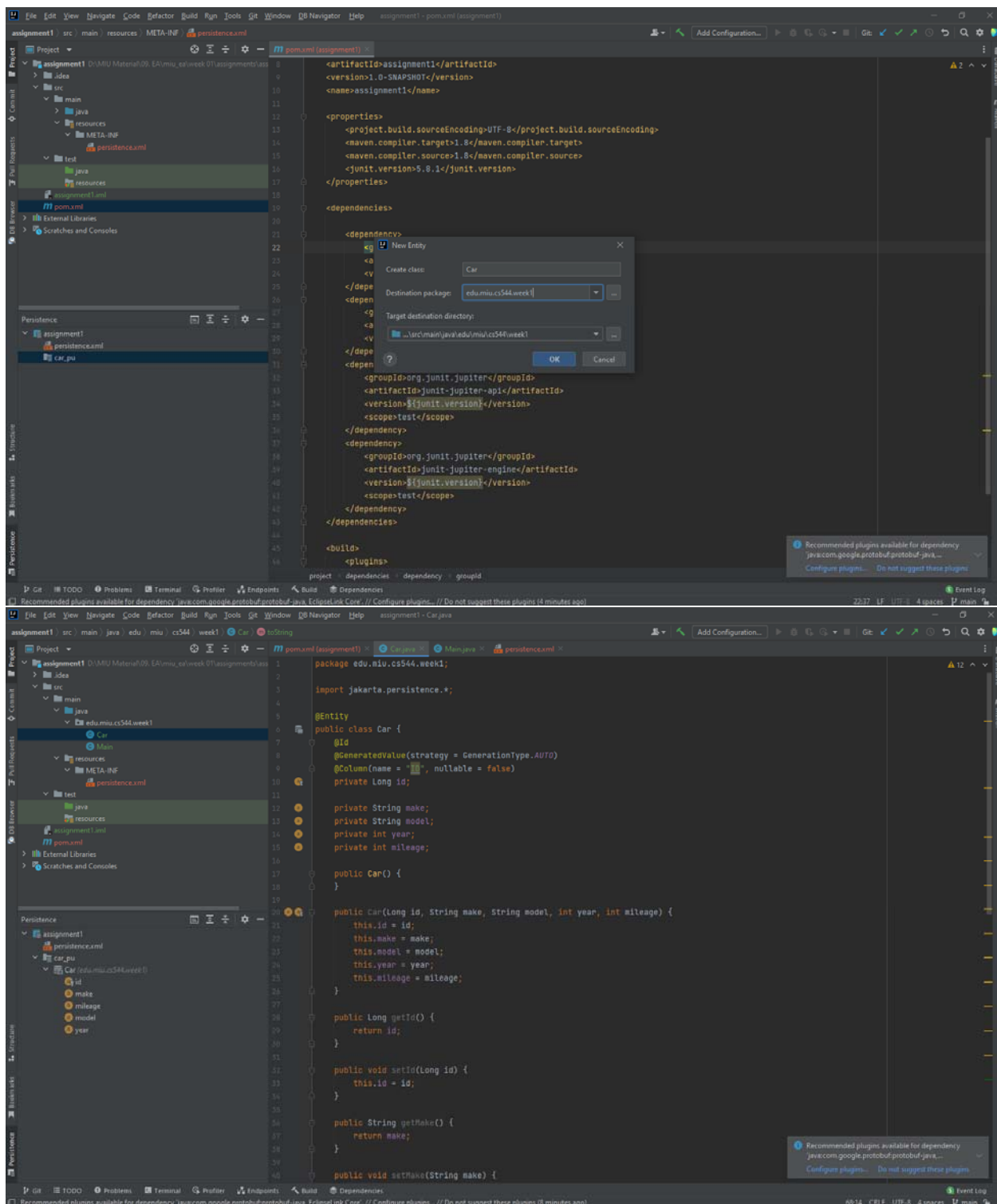
The screenshot shows the IntelliJ IDEA IDE with a Maven project named 'assignment1'. A 'Maven Artifact Search' dialog is open, displaying a list of search results for 'mysql'. The selected artifact is 'mysql:mysql-connector-java:8.0.29'. Below the dialog, the 'pom.xml' file is open, showing the current dependencies. The 'dependencies' section is highlighted, and the new dependency is being added.

Maven Artifact Search Results:

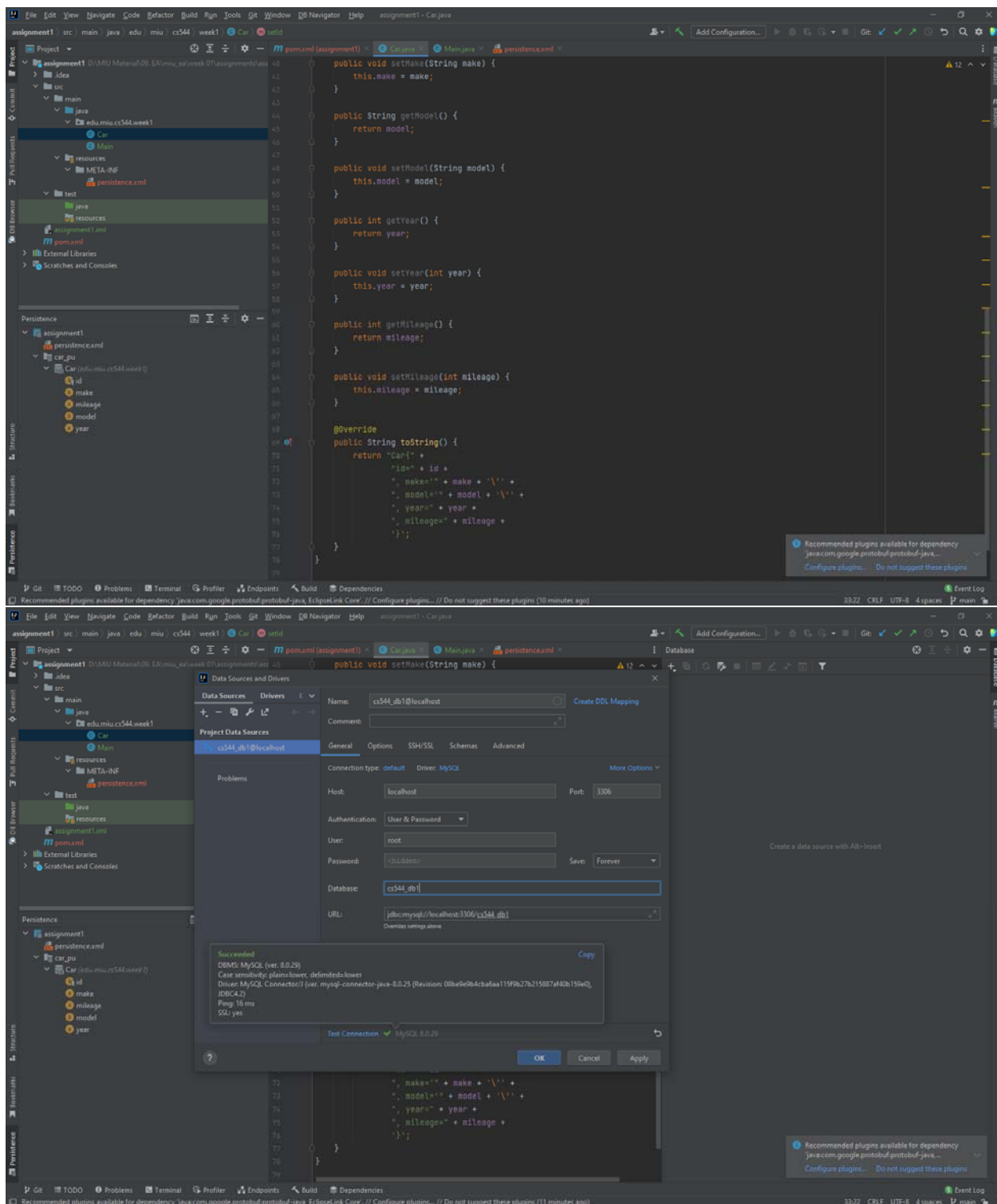
- edu.miu.cs544.abdelkawy.carcrud.assignment1:1.0-SNAPSHOT
- mysql:mysql-connector-java:8.0.29**
- com.microsoft.azure.mysql.v2020.01.01.azure-ngmt-mysql:1.0.0-beta
- com.github.michaelruocco.mysql-embedded-mysql-plugin:0.4.0
- mysql:mysql-connector-mxj:5.0.12
- com.microsoft.azure.mysql.v2017.12.01.azure-ngmt-mysql:1.0.0-beta-4
- com.microsoft.azure.mysql.v2017.12.01_preview.azure-ngmt-mysql:1.0.0-beta
- com.groupm.mysql:mysql-testing:0.2
- mysql:mysql-connector-mxj-db-files:5.0.12
- com.twitter:finagle-mysql:2.12.22.4.0
- com.twitter:finagle-mysql:2.10.0.39.0
- com.twitter:finagle-mysql:2.12.22.4.0
- com.twitter:finagle-mysql:2.11.21.2.0
- com.groupm.mysql:mysql-embed:8.2
- dev.miku:r2dbc-mysql:0.8.2.RELEASE
- com.groupm.mysql:mysql-junit4:0.2
- com.twitter:storehaus-mysql:2.11.0.15.0
- com.twitter:storehaus-mysql:2.12.0.15.0
- com.twitter:storehaus-mysql:2.10.0.15.0-RC1
- com.twitter:finagle-mysql:2.9.2.0.20.0
- com.twitter:storehaus-mysql:2.9.3.0.9.1

Current pom.xml Dependencies:

```
<dependencies>
  <dependency>
    <groupId>mysql</groupId>
    <artifactId>mysql-connector-java</artifactId>
    <version>8.0.29</version>
  </dependency>
  <dependency>
    <groupId>org.eclipse.persistence</groupId>
    <artifactId>org.eclipse.persistence.jpa</artifactId>
    <version>3.0.7</version>
  </dependency>
  <dependency>
    <groupId>org.junit.jupiter</groupId>
    <artifactId>junit-jupiter-api</artifactId>
    <version>${junit.version}</version>
    <scope>test</scope>
  </dependency>
  <dependency>
    <groupId>org.junit.jupiter</groupId>
    <artifactId>junit-jupiter-engine</artifactId>
    <version>${junit.version}</version>
    <scope>test</scope>
  </dependency>
</dependencies>
```

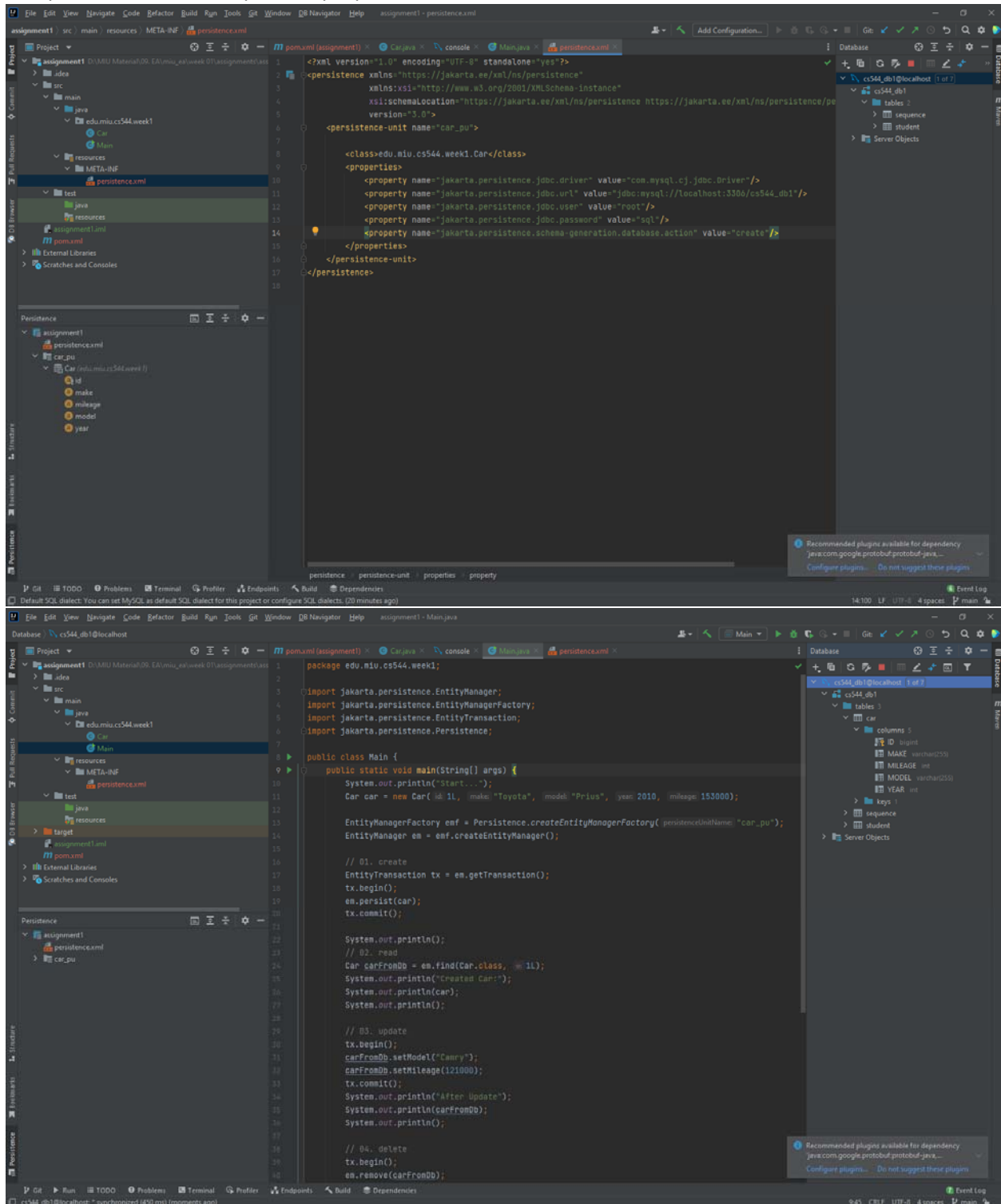


Click shift twice and search: “Persistence” to get the persistence tool window in the bottom-left. Then change the name of the “default” persistence unit to “car_pu”. Then right click and create entity “Car” and add fields as required

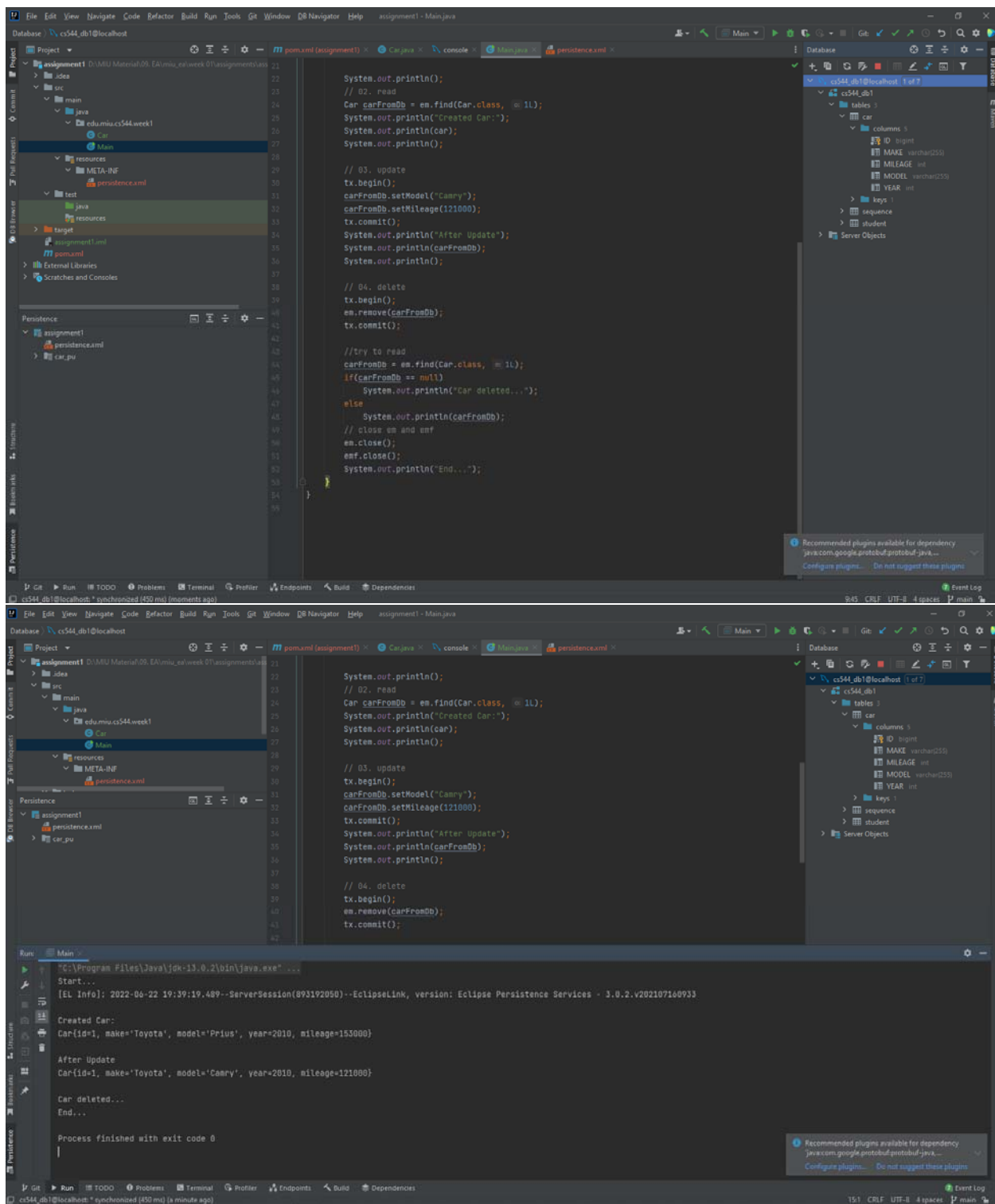


View -> Tool Windows -> Database --- add data source and edit parameters as above

Edit persistence.xml and provide properties as below



The Car Entity after adding needed fields, constructors, accessors and mutators



The Main method with the CRUD operations and the result after running

References

01. Lecture 1 - EA course

02. Creating Simple Jakarta JPA application in IntelliJ (Similar to lecture but for IntelliJ)

[Creating a Simple Jakarta Persistence/JPA Application in IntelliJ IDEA Ultimate - YouTube](#)