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Advanced Computer Programming

Project 1

User’s Manual

Setup and Compilation

1. Download and unzip the submission from eLearning
2. The submission includes
   1. Main.java
   2. SimpleDataSource.java
   3. Vehicle.java
   4. Writer.java
   5. Database.properties
   6. derby.jar
3. Environment: This program has been tested in Intellij, and Eclipse
4. Compiling: Import project into Eclipse or your favorite IDE. Make sure Main.java is the main file. Add Derby.jar under your ClassPath settings, or external JAR settings. These are usually found under run configurations.
5. Running the program: The files Derby.jar and Database.properties are included in the submission. Make sure the project paths are setup correctly. On the main source file click run.

User input: There are no user inputs for this project. The project automatically extracts the information for the vehicle java file.

Output: the project will output the results from the table queries. The file will also output a database log of all the activities that happened to it.

EX:

All vehicles in the database

Hyundai Intermediate 2073.0 6.0 1

Toyota SUV 3779.0 6.0 1

Ford SUV 3249.0 4.0 1

…

Only Chevy and Toyotas

Toyota SUV 3779.0 6.0 1

Toyota FullSize 2518.0 6.0 0

Chevy Compact 1898.0 2.0 0

Chevy Compact 1603.0 2.0 0

Vehicles over 2500 pounds

Toyota SUV 3779.0 6.0 1

Ford SUV 3249.0 4.0 1

Toyota FullSize 2518.0 6.0 0

Ford FullSize 2627.0 4.0 0

Table Vehicle Created.

Warning : Program tried to add an Invalid weight

Value 1660 for Type: Intermediate

Warning : Program tried to add an Invalid weight

Value 2701 for Type: Intermediate

Success : Program added new entry Successfully

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