

# Database Testing w/ DUnit

## Pre-Testing Steps:

- 1) Add the DUnit (and dependent) jars to your project.
- 2) Start your database.
- 3) Extract the the data into an XML file.
- 4) Shutdown the database.
- 5) Create a DDL file to build the table(s), view(s) or stored procedure(s) required for the test(s).
- 6) Copy the original XML file, adding, modifying, and deleting records as needed to reflect the results of the tests.

## Testing Steps:

- 1) Start an in-memory database.
- 2) Run the DDL commands to create the database objects (tables, views or stored procedures) needed for the test.
- 3) Load the original (pre-test) data into the in-memory database.
- 4) Run the test(s).
- 5) Get a reference to the actual in-memory database table(s).
- 6) Load the expected table(s) from the modified XML file.
- 7) Compare the actual table to the expected table, specifying any columns to ignore in the comparison.
- 8) Shutdown the in-memory database.