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Generating SQL for project

Select **Tools > Object-Relational Mapping (ORM) > Generate Database...** from the main menu,

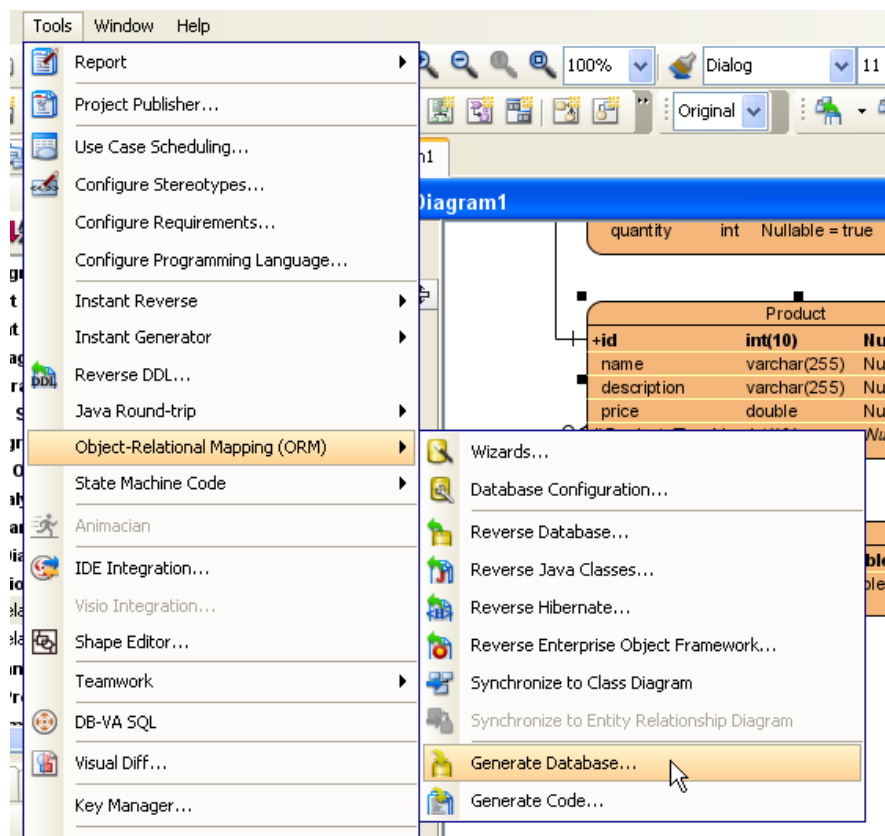


Figure 2-21 Generate database

The **Database Code Generation** dialog provides several options to generate DDL and export to database.

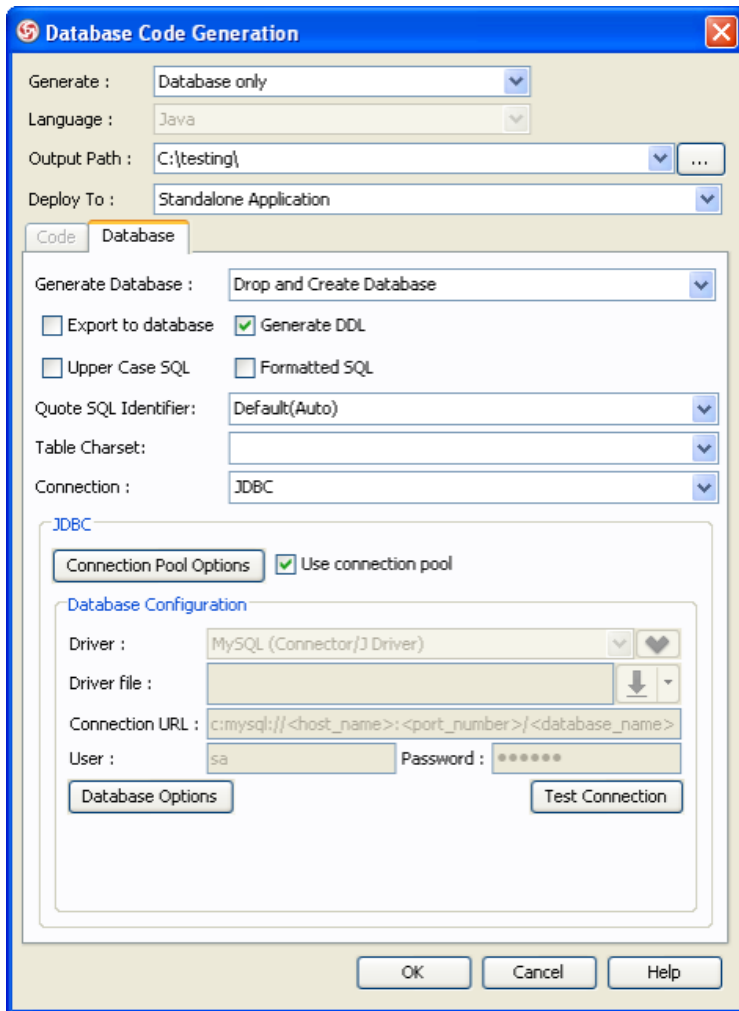


Figure 2-22 Database code generation

- Generate Database:
 - Create Database - generate create statements only.
 - Update Database - query existing object in database, generate create and alter statement depends on object not exists or outdated in database, or do nothing if database is up-to-date.
 - Drop and Create Database - generate drop statements first, then generate create statements.
 - Drop Database - generate drop statements only.
- Export to database - execute the generated statements directly to database.
- Generate DDL - save the generated statements to a file.
- Upper Case SQL - generate upper case for keyword (e.g. select, from, update, insert...etc).
- Formatted SQL - generate pretty format, high readability SQL.
- Quote SQL Identifier - if database object name is reserved word, it must be quoted; otherwise, it cannot be used as the object name:
 - Auto - auto detect and quote the name only if it is reserved word.
 - Yes - always quote the name.
 - No - never quote the name.
- Table Charset (Only available for MySQL) - the charset used for database connection.
- Connection:

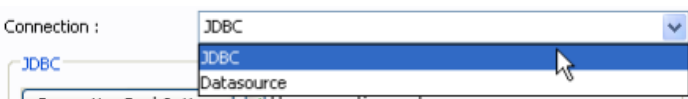


Figure 2-23 Connection

- JDBC - a standard way to connect database in Java.
- Datasource - the database connection is managed by application server.