JDBC Lab

Setup Development Environment

Install a Java development IDE, e.g.,

- IntelliJ IDEA [https://www.jetbrains.com/idea/] (free or with an academic license [https://www.jetbrains.com/student/])

- NetBeans [https://netbeans.org/features/index.html]

- Eclipse [https://www.eclipse.org/]

- JDeveloper [https://www.oracle.com/technetwork/developer-tools/jdev/]

Install an SQL development IDE for Oracle databases:

- SQL Developer [https://www.oracle.com/database/technologies/appdev/sql-developer.html]

- DataGrip [https://www.jetbrains.com/datagrip/] (trial or with an academic license [https://www.jetbrains.com/student/])

Testing JDBC Connection

1. Download the Gradle project template [../../download-oracle-project-template.zip] (or the Maven project template [../../download-oracle-project-template-mvn.zip]) and run the (Gradle) project by `run.sh` or `run.bat` (class `dbs.project_template.App`).

2. Open the project in a Java IDE, e.g., in NetBeans, and browse the code.

3. Build and run the code in IDE (class `dbs.project_template.App`). You can set system properties `-Dlogin=xmylogin12` and `-`

`Dpassword=myoracledbpassword` , e.g., in NetBeans by File / Project
Properties / Run / VM: Options.

User-defined Query

1. Run the SQL Developer and connect to the Oracle server.

2. Create a new database table of persons with columns ID, first name, and
   family name.

3. Insert new rows into the table above.

4. Modify the source-code of the [project template][] to query the table and
   print resulting data.