

1. Missing Database Driver

- The required driver for the database is not included in the project's dependencies or not properly loaded at runtime.
- To fix: Ensure that the correct driver is added to the project's dependencies.
(in Maven) include the correct dependency in pom.xml

2. Database Unreachable

- The database server is down, or there is a network issue between the application and the database server.
- To fix: Correct database URL in the connection string. Contact the administrator if the database server is down.

3. Database Not Authorized

- The provided database credentials (username and/or password) are incorrect, or user lacks the required permissions to access the database or perform an operation.
- To fix: Verify the credentials are correct in project code; grant appropriate privileges to the database user.

4. Syntax error in SQL Statement

- The SQL statement contains a syntax error, such as a missing semicolon or misspelled keyword.
- To fix: Double-check the SQL syntax and ensure it follows the database's SQL standards; use parameterized queries to avoid errors.

5. Error Extracting Data from Result Set (bad column name)

- The column name used in the result set does not exist in the result set returned by the query.
- To fix: Verify the column name matches the database schema exactly.

6. Error Extracting Data from Result Set (wrong data type)

- Attempting to extract a column value using the wrong data type method (e.g., trying to get an int from a string column).
- Ensure the method used to extract the value matches the column's data type.