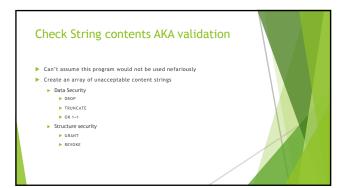






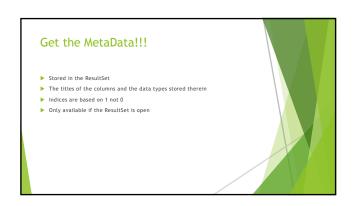
ConnectionString A URL to access the database Use the answers from the connection questions to build it Jobc:drivertype://path/to/nameOfDB?user-username@password-password URL Interrupts RuserGpassword-





Modify the data Simple DML statements only return an integer based on the amount of rows impacted by the query Validate the query! Create the PreparedStatement with the query on the connection Parameters can be passed to PreparedStatement to make it more generic! Call executeUpdate() Check that the returned count matches the expected count Close the PreparedStatement

Retrieve data After query validation your query can be executed Create a PreparedStatement with the query on the connection Call executeQuery() Store the results in a ResultSet It is NOT FINISHED!!! Set the PreparedStatement variable to close on completion Work with the results (while available)



Process the data SELECT query results are stored in a dynamic structure called a ResultSet The column count is fixed The row count is processed as needed to save resources Use a next call in a loop to consume the results Once all results are processed close the ResultSet

Java Database Connection

Review Ask questions about the database and who needs to use it Build the connection String Validate all queries before running Two types of Queries: update, table-based Modify with executeUpdate() Retrieve with executeUpery() Retrieve data Metadata ResultSet Process and close