➢ Login System Using Java and JDBC

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Project Overview
- Type: Console-based login application
- Technology: Java, JDBC, SQL
- Purpose: Validate user login credentials

Main Features
- Accept username and password from user
- Validate credentials using database
- Allow access for valid user
- Reject invalid user

Program Structure
- login.java – Takes user input and starts login process
- Validation.java – Verifies username and password
- DBConnection.java – Creates database connection
- PropertyLoader.java – Loads database configuration

Database Usage
- Database stores user login details
- Username and password are matched from database

JDBC Components Used
- Connection – Connects Java application to database
- PreparedStatement – Executes login validation query
- ResultSet – Checks whether user exists

Execution Flow
- User enters username and password
- Validation method is called
- Database connection is established
- Credentials are verified
- Login result is displayed

Output Result
- Valid credentials → User Validate login successfully
- Invalid credentials → User Not Valid