

Task: Create a Database Connection Code

Name: Om Ingle Batch: IT Repository: [OmIngle82/JDBC-Assignments](#)

1. Class & Method Explanation

- **DBConnection Class:** This class handles the database connectivity logic for the application.
- **main Method:** The entry point of the program. It first prints the mandatory student details (Name and Batch) and then attempts to connect to the database.
- **Class.forName(...):** This line dynamically loads the MySQL JDBC driver (com.mysql.cj.jdbc.Driver) into memory, allowing the Java application to communicate with the MySQL database.
- **DriverManager.getConnection(...):** This method establishes the actual connection using the configured URL, username, and password.
- **Exception Handling:**
 - **ClassNotFoundException:** Catches errors if the MySQL Connector JAR is missing.
 - **SQLException:** Catches errors related to invalid credentials or database server issues.
 - **finally Block:** Ensures the connection object is closed properly after execution to prevent resource leaks.

2. Console Output Screenshot

