

PROBLEM STATEMENT :

Assignment description: WAP demonstrating the Database Connectivity (MySQL/Oracle) in Java.

CODE:

```
/*
```

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Batch - AIML A3

LAB ASSIGNMENT - 9

```
*/
```

```
package Assignmet_9;
```

```
import java.sql.Driver;  
import java.sql.DriverManager;  
import java.sql.ResultSet;  
import java.sql.Statement;  
import java.sql.Connection;
```

```
public class As9 {  
    public static void main(String[] args) {  
        // JDBC connection details  
        String url = "jdbc:mysql://localhost:3306/jdbcdemo"; // URL of the database  
        String username = "root"; // Username for the database  
        String password = "1234"; // Password for the database  
  
        try {  
            // Load the MySQL JDBC driver  
            Class.forName("com.mysql.jdbc.Driver");  
  
            // Create a connection to the database  
            Connection connection = DriverManager.getConnection(url, username, password);
```

```

// Create a statement to execute SQL queries
Statement statement = connection.createStatement();

// Insert a new record into the 'student_jdbc' table
int result = statement.executeUpdate("INSERT INTO student_jdbc (name, age, gender)
VALUES ('Arjun', 19,'Male')");

// Update an existing record in the 'student_jdbc' table
int result2 = statement.executeUpdate("UPDATE student_jdbc SET name='Arjun Tyagi',
age=20, gender='Male' WHERE id=3");

// Display the contents of the 'student_jdbc' table
display(statement);

// Close the database connection
connection.close();
}
catch (Exception e) {
// Print an error message if there is a problem with the JDBC connection
System.out.println("Where is your MySQL JDBC Driver?" + "\n" + e);
e.printStackTrace();
return;
}
}

public static void display(Statement statement){
try{
// Execute a SELECT query and get the result set
ResultSet resultSet = statement.executeQuery("SELECT * FROM student_jdbc");

// Iterate over the result set and display each record
while (resultSet.next()) {
System.out.println(resultSet.getInt(1) + " " + resultSet.getString(2) + " " +
resultSet.getInt(3) + " " + resultSet.getString(4));
}
} catch (Exception e) {
// Print an error message if there is a problem with displaying the data
System.out.println("Error displaying data: " + e.getMessage());
}
}
}

```

OUTPUT :

```
"C:\Program Files\Java\jdk-19\bin\java.exe"  
Loading class `com.mysql.jdbc.Driver'. This  
1 Apoorv 18 Male  
2 Aniket 19 Male  
3 Arjun Tyagi 20 Male
```

GitHub Repository: <https://github.com/SnakeEyes1308/Java-Assignment->