

```
1 package javapractice;
2
3 import java.sql.*;
4
5 public class DatabaseConnection {
6     public static Connection getConnection() throws
7         String url = "jdbc:mysql://localhost:3306/chatdb";
8         String username = "root"; // MySQL username
9         String password = "password"; // MySQL password
10
11     return DriverManager.getConnection(url, username,
12 }
13
14 // Save a message to the database
15 public static void saveMessage(String username, String
16     try (Connection connection = getConnection()) {
17         String sql = "INSERT INTO messages (username,
18         try (PreparedStatement pstmt =
19             pstmt.setString(1, username);
20             pstmt.setString(2, message);
21             pstmt.executeUpdate();
22         }
23     } catch (SQLException e) {
24         e.printStackTrace();
25     }
26 }
27
28 // Fetch all messages from the database
29 public static void getMessages() {
30     try (Connection connection = getConnection()) {
31         String sql = "SELECT * FROM messages ORDER BY
32         try (Statement stmt = connection.createStatement
33             while (rs.next()) {
34                 System.out.println(rs.getString
35             }
36         }
37     } catch (SQLException e) {
38         e.printStackTrace();
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40 }  
41 }  
42