Assignment-9

CODE:

```
package Com.College;
/*
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Problem Statetment: Write a Java Program demonstrating the database connectivity in java.
*/
import java.sql.Connection;
import java.sql.DriverManager;
import java.sql.ResultSet;
import java.sql.Statement;

public class As9 {
    public static void main(String[] args) {
        // JDBC URL, username and password to connect to the database
        String url = "jdbc:mysql://localhost:3306/jdbcdemo";
        String username = "root";
        String password = "1234";

        try {
            // Load the MySQL JDBC driver class
            Class.forName("com.mysql.jdbc.Driver");

            // Establish a connection to the database using the provided URL, username and password
            Connection connection = DriverManager.getConnection(url, username, password);

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

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

            // Update an existing row 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 connection to the database
            connection.close();
        }
        catch (Exception e) {
            // Handle any exceptions that may occur during database connection or query execution
            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 to retrieve all rows from the 'student_jdbc' table
            ResultSet resultSet = statement.executeQuery("SELECT * FROM student_jdbc");

            // Iterate over the result set and display the contents of each row
            while (resultSet.next()) {
                System.out.println(resultSet.getInt(1) + " " + resultSet.getString(2) + " " + resultSet.getInt(3) + " " + resultSet.getStri
            }
        } catch (Exception e) {
            // Handle any exceptions that may occur during result set iteration or display
            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:

java_Assignments/Assignment_9 at main · AniketSingh1m/java_Assignments

Contribute to AniketSingh1m/java_Assignments development by creating an account on GitHub.

AniketSingh1m/
java_Assignments

https://github.com/AniketSingh1m/java_Assignments/tree/main/Assignment_9

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