Insert Multiple Player Records into a Table Using PreparedStatement

Problem Statement

In this problem, you will insert two records into a table called players using JDBC. Each record represents a player with the following details:

- First Name (text)Last Name (text)
- Age (integer)

You will be provided the SQL insert structure.

Your task is to use a PreparedStatement object to safely insert the data into the table.

This exercise is a beginner-friendly introduction to using **PreparedStatement** in JDBC, where you bind parameters and execute a query.

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1		1 Ram Gopal 26\n 2 John Mayer 22	1 Ram Gopal 26\n 2 John Mayer 22\n	Passed

The due date for submitting this assignment has passed 1 out of 1 tests passed.

You scored 100.0/100.

Assignment submitted on 2025-04-10, 01:01 IST

```
Your last recorded submission was
        import java.sql.*;
        // Establish connection to SQLite database (used in NPTEL sandbox)
String DB URL = "jdbc:sqlite:/tempfs/db";
System.setProperty("org.sqlite.tmpdir", "/tempfs");
Connection conn = DriverManager.getConnection(DB_URL);
                                     // Create a Statement to execute SQL commands
Statement stmt = conn.createStatement();
                                     // Create the table
String CREATE_TABLE_SQL = "CREATE TABLE players (UID INT, First_Name VARCHAR(45), Last_Name VARCHAR(45), Age
stmt.executeUpdate(CREATE_TABLE_SQL);
                                    // Prepare the SQL insert statement
String query = "INSERT INTO players (UID, First_Name, Last_Name, Age) VALUES (?, ?, ?, ?)";
PreparedStatement preparedStmt = conn.prepareStatement(query);
Irst record (firsty try)
preparedStmt.setInt(1, 1); "Ram");
preparedStmt.setString(2, "Ram");
preparedStmt.setString(3, "Gopal");
preparedStmt.setString(3, "Gopal");
preparedStmt.setString(3, "Gopal");
preparedStmt.setString(3, "Gopal");
         // Insert fi
                                     // Insert second record(lefty try)
preparedStmt.setInt(1, 2);
preparedStmt.setString(2, "John");
preparedStmt.setString(3, "Mayer");
preparedStmt.setInt(4, 22);
preparedStmt.execute();
                                     // Close all resources
conn.close();
} catch (Exception e) {
   System.out.println(e);
```

Sample solutions (Provided by instructor) {
 // Establish connection to SQLite database (used in NPTEL sandbox)
 String DB_URL = "jdbc:sqlite:/tempfs/db";
 System.setProperty("org.sqlite.tmpdir", "/tempfs");
 Connection conn = DriverManager.getConnection(DB_URL); // Create a Statement to execute SQL commands
Statement stmt = conn.createStatement(); // Create the table String CREATE_TABLE_SQL = "CREATE TABLE players (UID INT, First_Name VARCHAR(45), Last_Name VARCHAR(45), Age stmt.executeUpdate(CREATE_TABLE_SQL); // Prepare the SQL insert statement
String query = "INSERT INTO players (UID, First_Name, Last_Name, Age) VALUES (?, ?, ?, ?)";
PreparedStatement preparedStmt = conn.prepareStatement(query);

// Insert first record: Ram Gopal
preparedStmt.setInt(1, 1); "Ram");
preparedStmt.setInt(1, 1); "Ram");
preparedStmt.setInt(2, "Gopal");
preparedStmt.setInt(8, 26);
preparedStmt.setInt(8, 26);
preparedStmt.setUnt(4, 26); // 1...
preparedStimt.sets.
preparedStimt.setString()
preparedStimt.setString()
preparedStimt.setString()
preparedStimt.setString()
// Insert second record: John Mayer
preparedStimt.setString()
p // Close all resources
conn.close();
catch (Exception e) {
 System.out.println(e);