Java Week 11 : Q1

Complete the code segment to insert the following data using prepared statement in the existing table ‘PLAYERS’.

<table>
<thead>
<tr>
<th>Column</th>
<th>UID</th>
<th>First_Name</th>
<th>Last_Name</th>
<th>Age</th>
</tr>
</thead>
<tbody>
<tr>
<td>Row 1</td>
<td>1</td>
<td>Ram</td>
<td>Gopal</td>
<td>26</td>
</tr>
<tr>
<td>Row 2</td>
<td>2</td>
<td>John</td>
<td>Mayer</td>
<td>22</td>
</tr>
</tbody>
</table>

Sample Test Cases

<table>
<thead>
<tr>
<th>Test Case</th>
<th>Input</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Test Case 1</td>
<td></td>
<td>1 Ram Gopal 26 2 John Mayer 22</td>
</tr>
</tbody>
</table>

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Sample solutions (Provided by instructor)

```java
import java.sql.*;
import java.lang.*;
public class InsertData {
    public static void main(String args[]) {
        try {
            Connection conn = null;
            Statement stmt = null;
            String DB_URL = "jdbc:sqlite:/tempfs/db";
            System.setProperty("org.sqlite.tmpdir", "/tempfs");
            // Open a connection
            conn = DriverManager.getConnection(DB_URL);
            stmt = conn.createStatement();
            // The statement containing SQL command to create table "players"
            String CREATE_TABLE_SQL = "CREATE TABLE players (UID INT, First_Name VARCHAR, Last_Name VARCHAR, Age INT)");
            // Execute the statement containing SQL command
            stmt.executeUpdate(CREATE_TABLE_SQL);
            String query = "insert into PLAYERS (UID, first_name, last_name, age) values (1, 'Ram', 'Gopal', 26), (2, 'John', 'Mayer', 22)";
            stmt.executeUpdate(query);
            // Close the connection
            conn.close();
        } catch (SQLException ex) {
            ex.printStackTrace();
        }
    }
}
```
PreparedStatement preparedStmt = conn.prepareStatement(query);
preparedStmt.setInt(1, 1);
poweredStmt.setString(2, "Ram");
poweredStmt.setString(3, "Gopal");
poweredStmt.setInt(4, 26);
poweredStmt.execute();
preparedStmt.setInt(1, 2);
poweredStmt.setString(2, "John");
poweredStmt.setString(3, "Mayer");
poweredStmt.setInt(4, 22);
poweredStmt.execute();

//Evaluation Portion
ResultSet rs = stmt.executeQuery("SELECT * FROM players;");
while(rs.next())
   System.out.println(rs.getInt(1)+" "+rs.getString(2)+" ");
conn.close();
} catch(Exception e){ System.out.println(e);}
}