Java Week 10: Q4

Due on 2020-11-26, 23:59 IST

Complete the code segment **to create a new table named 'PLAYERS'** in SQL database using the following information.

Column	UID	First_Name	Last_Name	Age
Type	Integer	Varchar (45)	Varchar (45)	Integer

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 1	1	No. of columns : 4\n Column 1 Name: UID\n Column 1 Type : INT\n Column 2 Name: First_Name\n Column 2 Type : VARCHAR\n Column 3 Name: Last_Name\n Column 3 Type : VARCHAR\n Column 4 Name: Age\n Column 5 Type : INT\n	No. of columns : 4\n Column 1 Name: UID\n Column 1 Type : INT\n Column 2 Name: First_Name\n Column 2 Type : VARCHAR\n Column 3 Name: Last_Name\n Column 3 Type : VARCHAR\n Column 4 Name: Age\n Column 5 Type : INT\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 2020-11-25, 20:19 IST
Your last recorded submission was :

```java
import java.sql.*;
import java.lang.*;
public class CreateTable {
    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();

String CREATE_TABLE_SQL="CREATE TABLE players (UID INT, First_Name VARCHAR(45), Last_Name VARCHAR(45), Age INT);";

stmt.executeUpdate(CREATE_TABLE_SQL);/*
            ResultSet rs = stmt.executeQuery("SELECT * FROM players;");
            ResultSetMetaData rsmd = rs.getMetaData();
            System.out.println("No. of columns : " + rsmd.getColumnCount());
            System.out.println("Column 1 Name: " + rsmd.getColumnName(1));
            System.out.println("Column 1 Type : " + rsmd.getColumnTypeName(1));
            System.out.println("Column 2 Name: " + rsmd.getColumnName(2));
            System.out.println("Column 2 Type : " + rsmd.getColumnTypeName(2));
            System.out.println("Column 3 Name: " + rsmd.getColumnName(3));
            System.out.println("Column 3 Type : " + rsmd.getColumnTypeName(3));
            System.out.println("Column 4 Name: " + rsmd.getColumnName(4));
            System.out.println("Column 5 Type : " + rsmd.getColumnTypeName(4));
            stmt.close();
            conn.close();*/
            ResultSet rs = stmt.executeQuery("SELECT * FROM players;");
            ResultSetMetaData rsmd = rs.getMetaData();
            System.out.println("No. of columns : " + rsmd.getColumnCount());
            System.out.println("Column 1 Name: " + rsmd.getColumnName(1));
            System.out.println("Column 1 Type : " + rsmd.getColumnTypeName(1));
            System.out.println("Column 2 Name: " + rsmd.getColumnName(2));
            System.out.println("Column 2 Type : " + rsmd.getColumnTypeName(2));
            System.out.println("Column 3 Name: " + rsmd.getColumnName(3));
            System.out.println("Column 3 Type : " + rsmd.getColumnTypeName(3));
            System.out.println("Column 4 Name: " + rsmd.getColumnName(4));
            System.out.println("Column 5 Type : " + rsmd.getColumnTypeName(4));
            stmt.close();
            conn.close();


        }
        catch(Exception e){ System.out.println(e);}
    }
}
```

Sample solutions (Provided by instructor)

```java
import java.sql.*;
import java.lang.*;
public class CreateTable {
    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(45), Last_Name VARCHAR(45), Age INT);";
// Execute the statement containing SQL command
stmt.executeUpdate(CREATE_TABLE_SQL);

            ResultSet rs = stmt.executeQuery("SELECT * FROM players;");
            ResultSetMetaData rsmd = rs.getMetaData();
            System.out.println("No. of columns : " + rsmd.getColumnCount());
            System.out.println("Column 1 Name: " + rsmd.getColumnName(1));
            System.out.println("Column 1 Type : " + rsmd.getColumnTypeName(1));
            System.out.println("Column 2 Name: " + rsmd.getColumnName(2));
            System.out.println("Column 2 Type : " + rsmd.getColumnTypeName(2));
            System.out.println("Column 3 Name: " + rsmd.getColumnName(3));
```

```java
28              System.out.println("Column 3 Type : " + rsmd.getColumnTypeName(3));
29              System.out.println("Column 4 Name: " + rsmd.getColumnName(4));
30              System.out.println("Column 5 Type : " + rsmd.getColumnTypeName(4));
31              stmt.close();
32              conn.close();
33
34
35          }
36      catch(Exception e){ System.out.println(e);}
37      }
38 }
39
```