

## 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 :

```
1 import java.sql.*;
2 import java.lang.*;
3 public class CreateTable {
4     public static void main(String args[]) {
5         try {
6             Connection conn = null;
7             Statement stmt = null;
8             String DB_URL = "jdbc:sqlite:/tmpfs/db";
9             System.setProperty("org.sqlite.tmpdir", "/tmpfs");
10
11             // Open a connection
12             conn = DriverManager.getConnection(DB_URL);
13             stmt = conn.createStatement();
14
15             String CREATE_TABLE_SQL="CREATE TABLE players (UID INT, First_Name VARCHAR(45), Last_Name VARCHAR(45), Age INT);";
16
17             stmt.executeUpdate(CREATE_TABLE_SQL);/*
18             ResultSet rs = stmt.executeQuery("SELECT * FROM players;");
19             ResultSetMetaData rsmd = rs.getMetaData();
20             System.out.println("No. of columns : " + rsmd.getColumnCount());
21             System.out.println("Column 1 Name: " + rsmd.getColumnName(1));
22             System.out.println("Column 1 Type : " + rsmd.getColumnTypeName(1));
23             System.out.println("Column 2 Name: " + rsmd.getColumnName(2));
24             System.out.println("Column 2 Type : " + rsmd.getColumnTypeName(2));
25             System.out.println("Column 3 Name: " + rsmd.getColumnName(3));
26             System.out.println("Column 3 Type : " + rsmd.getColumnTypeName(3));
27             System.out.println("Column 4 Name: " + rsmd.getColumnName(4));
28             System.out.println("Column 5 Type : " + rsmd.getColumnTypeName(4));
29             stmt.close();
30             conn.close();*/
31             ResultSet rs = stmt.executeQuery("SELECT * FROM players;");
32             ResultSetMetaData rsmd = rs.getMetaData();
33             System.out.println("No. of columns : " + rsmd.getColumnCount());
34             System.out.println("Column 1 Name: " + rsmd.getColumnName(1));
35             System.out.println("Column 1 Type : " + rsmd.getColumnTypeName(1));
36             System.out.println("Column 2 Name: " + rsmd.getColumnName(2));
37             System.out.println("Column 2 Type : " + rsmd.getColumnTypeName(2));
38             System.out.println("Column 3 Name: " + rsmd.getColumnName(3));
39             System.out.println("Column 3 Type : " + rsmd.getColumnTypeName(3));
40             System.out.println("Column 4 Name: " + rsmd.getColumnName(4));
41             System.out.println("Column 5 Type : " + rsmd.getColumnTypeName(4));
42             stmt.close();
43             conn.close();
44
45         }
46     }
47     catch(Exception e){ System.out.println(e);}
48 }
49 }
50 }
```

Sample solutions (Provided by instructor)

```
1 import java.sql.*;
2 import java.lang.*;
3 public class CreateTable {
4     public static void main(String args[]) {
5         try {
6             Connection conn = null;
7             Statement stmt = null;
8             String DB_URL = "jdbc:sqlite:/tmpfs/db";
9             System.setProperty("org.sqlite.tmpdir", "/tmpfs");
10
11             // Open a connection
12             conn = DriverManager.getConnection(DB_URL);
13             stmt = conn.createStatement();
14
15             // The statement containing SQL command to create table "players"
16             String CREATE_TABLE_SQL="CREATE TABLE players (UID INT, First_Name VARCHAR(45), Last_Name VARCHAR(45), Age INT);";
17             // Execute the statement containing SQL command
18             stmt.executeUpdate(CREATE_TABLE_SQL);
19
20             ResultSet rs = stmt.executeQuery("SELECT * FROM players;");
21             ResultSetMetaData rsmd = rs.getMetaData();
22             System.out.println("No. of columns : " + rsmd.getColumnCount());
23             System.out.println("Column 1 Name: " + rsmd.getColumnName(1));
24             System.out.println("Column 1 Type : " + rsmd.getColumnTypeName(1));
25             System.out.println("Column 2 Name: " + rsmd.getColumnName(2));
26             System.out.println("Column 2 Type : " + rsmd.getColumnTypeName(2));
27             System.out.println("Column 3 Name: " + rsmd.getColumnName(3));
```

## Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

Week 2 :

Week 3 :

Week 4 :

Week 5 :

Week 6 :

Week 7 :

Week 8 :

Week 9 :

Week 10 :

- Lecture 46 : Demonstration- XVII
- Lecture 47 : Demonstration- XVIII
- Lecture 48 : Java Networking
- Lecture 49 : Demonstration- XIX
- Lecture 50 : JDBC—I
- Quiz: Assignment 10
- Java Week 10: Q1
- Java Week 10: Q2
- Java Week 10: Q3
- Java Week 10: Q4
- Java Week 10: Q5
- Feedback For Week 10

Week 11 :

Week 12 :

Solution

DOWNLOAD VIDEOS

Text Transcripts

Programming Test - (April 11 - 10AM - 12 PM)

Programming Test - (April 11 - 8PM - 10 PM)

```
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 }
```