

## Java Week 11: Q2

Due on 2020-12-03, 23:59 IST

### 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 :

Week 11 :

• Lecture 51 : JDBC—II

• Lecture 52 : JDBC—III

• Lecture 53 : Demonstration  
—XX

• Lecture 54 : Demonstration  
—XXI

• Lecture 55 : Demonstration  
—XXII

• Quiz: Assignment 11

• Java Week 11 : Q1

• Java Week 11: Q2

• Java Week 11 : Q3

• Java Week 11 : Q4

• Java Week 11 : Q5

• Feedback For Week 11

Week 12 :

Solution

DOWNLOAD VIDEOS

Text Transcripts

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

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

Write the required code in order to update the following data in the table 'PLAYERS'.

Column	UID	First Name	Last Name	Age
From	1	Ram	Gopal	26
To	1	Rama	Gopala	24

Private Test cases used for evaluation

Input Expected Output

Actual Output

Status

Test Case 1

1 Rama Gopala 24\n  
2 John Mayer 22

1 Rama Gopala 24\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 2020-11-25, 20:42 IST

Your last recorded submission was :

```

1 import java.sql.*;
2 import java.lang.*;
3 public class UpdateData {
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            String query = "";
11
12            // Open a connection
13            conn = DriverManager.getConnection(DB_URL);
14            stmt = conn.createStatement();
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            query = " insert into PLAYERS (UID, first_name, last_name, age)" + " values (?, ?, ?, ?)";
21
22            PreparedStatement preparedStmt = conn.prepareStatement(query);
23            preparedStmt.setInt(1, 1);
24            preparedStmt.setString(2, "Ram");
25            preparedStmt.setString(3, "Gopal");
26            preparedStmt.setInt(4, 26);
27
28            preparedStmt.execute();
29
30            preparedStmt.setInt(1, 2);
31            preparedStmt.setString(2, "John");
32            preparedStmt.setString(3, "Mayer");
33            preparedStmt.setInt(4, 22);
34
35            preparedStmt.execute();
36            // write SQL command to update table data
37
38            // Execute the SQL command to update the table data
39            String CREATE_TABLE_SQL = "CREATE TABLE players (UID INT, First_Name VARCHAR(45), Last_Name VARCHAR(45), Age INT)";
40            // Execute the statement containing SQL command
41            stmt.executeUpdate(CREATE_TABLE_SQL);
42
43            query = " insert into PLAYERS (UID, first_name, last_name, age)" + " values (?, ?, ?, ?)";
44
45            PreparedStatement preparedStmt = conn.prepareStatement(query);
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51            preparedStmt.execute();
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53            preparedStmt.setInt(1, 2);
54            preparedStmt.setString(2, "John");
55            preparedStmt.setString(3, "Mayer");
56            preparedStmt.setInt(4, 22);
57
58            preparedStmt.execute();
59            // write SQL command to update table data
60            query = " UPDATE Players SET First_name = 'Rama', Last_name = 'Gopala', Age = 24 WHERE UID=1";
61
62            // Execute the SQL command to update the table data
63            stmt.executeUpdate(query);
64            /*ResultSet rs = stmt.executeQuery("SELECT * FROM players;");
65            while(rs.next())
66                System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getString(3)+" "+rs.getString(4));
67            conn.close();*/
68            ResultSet rs = stmt.executeQuery("SELECT * FROM players;");
69            while(rs.next())
70                System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getString(3)+" "+rs.getString(4));
71            conn.close();
72        } catch (Exception e) { System.out.println(e); }
73    }
74 }
75

```

Sample solutions (Provided by instructor)

```

1 import java.sql.*;
2 import java.lang.*;
3 public class UpdateData {
4     public static void main(String args[]) {
5         try {
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7             Statement stmt = null;
8             String DB_URL = "jdbc:sqlite:/tmpfs/db";
9             System.setProperty("org.sqlite.tmpdir", "/tmpfs");
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```

```

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);
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20 query = " insert into PLAYERS (UID, first_name, last_name, age)" + " values (?, ?, ?, ?)";
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22     PreparedStatement preparedStmt = conn.prepareStatement(query);
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35     preparedStmt.execute();
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37 query = " UPDATE Players SET First_name ='Rama',Last_name = 'Gopala',Age = 24  WHERE UID=1;";
38
39 stmt.executeUpdate(query);
40 ResultSet rs = stmt.executeQuery("SELECT * FROM players;");
41 while(rs.next())
42     System.out.println(rs.getInt(1)+" "+rs.getString(2)+" "+rs.getString(3)+" "+rs.getString(4));
43     conn.close();
44 }
45     catch(Exception e){ System.out.println(e);}
46 }
47 }

```