

## 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)

## Java Week 10: Q5

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

Complete the code segment to **rename an already created table named 'PLAYERS' into 'SPORTS'**.

Private Test cases used for evaluation	Input	Expected Output	Actual Output	Status
Test Case 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, 20:32 IST

Your last recorded submission was :

```

1 import java.sql.*;
2 import java.lang.*;
3 public class RenameTable {
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             //String CREATE_TABLE_SQL="CREATE TABLE players {UID INT, First_Name VARCHAR(45), Last_Name VARCHAR(45), Age INT);";
21
22             // Execute the SQL command
23             stmt.executeUpdate(CREATE_TABLE_SQL);
24             // Write the SQL command to rename a table
25             String alter="ALTER TABLE players RENAME TO sports;";
26
27             stmt.executeUpdate(alter);
28         }
29         /*
30         ResultSet rs = stmt.executeQuery("SELECT * FROM sports;");
31         ResultSetMetaData rsmd = rs.getMetaData();
32         System.out.println("No. of columns : " + rsmd.getColumnCount());
33         System.out.println("Column 1 Name: " + rsmd.getColumnName(1));
34         System.out.println("Column 1 Type : " + rsmd.getColumnTypeName(1));
35         System.out.println("Column 2 Name: " + rsmd.getColumnName(2));
36         System.out.println("Column 2 Type : " + rsmd.getColumnTypeName(2));
37         System.out.println("Column 3 Name: " + rsmd.getColumnName(3));
38         System.out.println("Column 3 Type : " + rsmd.getColumnTypeName(3));
39         System.out.println("Column 4 Name: " + rsmd.getColumnName(4));
40         System.out.println("Column 5 Type : " + rsmd.getColumnTypeName(4));
41         stmt.close();
42         conn.close();
43         */
44         ResultSet rs = stmt.executeQuery("SELECT * FROM sports;");
45         ResultSetMetaData rsmd = rs.getMetaData();
46         System.out.println("No. of columns : " + rsmd.getColumnCount());
47         System.out.println("Column 1 Name: " + rsmd.getColumnName(1));
48         System.out.println("Column 1 Type : " + rsmd.getColumnTypeName(1));
49         System.out.println("Column 2 Name: " + rsmd.getColumnName(2));
50         System.out.println("Column 2 Type : " + rsmd.getColumnTypeName(2));
51         System.out.println("Column 3 Name: " + rsmd.getColumnName(3));
52         System.out.println("Column 3 Type : " + rsmd.getColumnTypeName(3));
53         System.out.println("Column 4 Name: " + rsmd.getColumnName(4));
54         System.out.println("Column 5 Type : " + rsmd.getColumnTypeName(4));
55         stmt.close();
56         conn.close();
57     }
58 }
59 catch(Exception e){ System.out.println(e);}
60 }
61 }
62 }

```

Sample solutions (Provided by instructor)

```

1 import java.sql.*;
2 import java.lang.*;
3 public class RenameTable {
4     public static void main(String args[]) {
5         try {
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20             // Write the SQL command to rename a table
21             String alter="ALTER TABLE players RENAME TO sports;";

```

```

22
23 // Execute the SQL command
24 stmt.executeUpdate(alter);
25
26
27
28
29         ResultSet rs = stmt.executeQuery("SELECT * FROM sports;");
30         ResultSetMetaData rsmd = rs.getMetaData();
31         System.out.println("No. of columns : " + rsmd.getColumnCount());
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34         System.out.println("Column 2 Name : " + rsmd.getColumnName(2));
35         System.out.println("Column 2 Type : " + rsmd.getColumnTypeName(2));
36         System.out.println("Column 3 Name : " + rsmd.getColumnName(3));
37         System.out.println("Column 3 Type : " + rsmd.getColumnTypeName(3));
38         System.out.println("Column 4 Name : " + rsmd.getColumnName(4));
39         System.out.println("Column 5 Type : " + rsmd.getColumnTypeName(4));
40         stmt.close();
41         conn.close();
42     }
43     }
44     catch(Exception e){ System.out.println(e);}
45 }
46 }
47

```