

## Course outline

How does an NPTEL online course work?

Week 0 : Assignment 0

Week 1 :

Week 2 :

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Week 6 :

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Week 8 :

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Week 11 :

● Lecture 51 : JDBC—II

● Lecture 52 : JDBC—III

● Lecture 53 : Demonstration—XX

# Assignment 11

The due date for submitting this assignment has passed.

**Due on 2020-12-02, 23:59 IST.**

Assignment submitted on 2020-12-01, 22:53 IST

1) Which of the following statement(s) is/are TRUE?

1 point

- a. Statement: Used to implement simple SQL statements with no parameters.
- b. PreparedStatement: Used for pre-compiling SQL statements that might contain input parameters.
- c. CallableStatement: Used to execute stored procedures that may contain both input and output parameters.
- d. The SELECT statement specifies which columns to include in the result set.

☒ a.

☒ b.

☒ c.

☐ d.

Partially Correct.  
Score: 0.75

Accepted Answers:

a.

b.

c.

d.

● 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

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

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

2) Which of the following statement(s) is/are true?

1 point

- a. The default ResultSet type is TYPE\_FORWARD\_ONLY.
- b. The default ResultSet type is TYPE\_SCROLL\_SENSITIVE.
- c. The default ResultSet type is TYPE\_SCROLL\_INSENSITIVE.
- d. The default ResultSet type is CONCUR\_READ\_ONLY.

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

3) As with Statement objects, to execute a PreparedStatement object, it need to be call an execute statement. Which of the following statement(s) is/are true regarding this?

1 point

- a. executeQuery: if the query returns only one ResultSet (such as a SELECT SQL statement).
- b. executeUpdate : if the query does not return a ResultSet (such as an UPDATE SQL statement).
- c. execute : if the query might return more than one ResultSet object.
- d. executupdateQuery : if the query does return a ResultSet (such as an UPDATE SQL statement).

- ☒ a.
- ☒ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

b.

c.

4) Which of the following statement(s) is/are true, when the return value for executeUpdate is 0 ?

1 point

- a. The statement executed was an update statement that affected zero rows.
- b. The statement executed was a DDL statement.
- c. The statement executed was an update statement that affected one row.
- d. The statement executed was a DCL statement.

- ☒ a.
- ☒ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

- a.
- b.

5) Which of the following class/interface is NOT related to database management in Java?

1 point

- a. Socket
- b. Connection
- c. Statement
- d. ResultSet

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

- a.

6) Once a JDBC driver has been registered, which of the following method is used to make a database connection?

1 point

- a. getConnection(String url, String userID, String password)
- b. setConnection(String url, String userID, String password)
- c. Connect(String url, String userID, String password)
- d. Any one of the above.

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.

7) **The SQL command “USE test” implies, which of the following?**

1 point

- a. List all the databases those are there in the database server.
- b. List all the tables those are there under the database.
- c. Create a table called test.
- d. Set test as the current working database, so that any SQL command bind to the test database only.

- ☐ a.
- ☐ b.
- ☐ c.
- ☒ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

d.

8) What happens after execution of the following code?

```
import java.sql.*;
class InsertPrepared{
    public static void main(String args[]){
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection con=DriverManager.getConnection(
                "jdbc:mysql://localhost/database","Java","july");
            PreparedStatement stmt=con.prepareStatement("INSERT INTO
table VALUES(?,?)");
            stmt.setInt(1,"Joe");
            stmt.setString(2,"Dan");
            stmt.executeUpdate();
            con.close();
        }
        catch(Exception e){
            System.out.println(e);
        }
    }
}
```

- a. Compilation error
- b. Runtime error
- c. 1, "Joe" is replaced by 2, "Dan"
- d. "Joe" and "Dan" both are inserted in different columns of same row.

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

1 point

9) **How do you know in your Java program that a SQL warning is generated as a result of executing a SQL statement in the database?**

- a. You must catch the checked SQLException which is thrown by the method which executes the statement.
- b. You must catch the unchecked SQLWarningException which is thrown by the method which executes the statement.
- c. You must invoke the getWarnings() method on the Statement object (or a sub interface thereof).
- d. You must query the ResultSet object about possible warnings generated by the database.

- ☐ a.
- ☐ b.
- ☒ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

c.

1 point

10) **Which one of the following is a class in package java.sql?**

- a. Timestamp
- b. Driver
- c. Connection
- d. ResultSet

- ☒ a.
- ☐ b.
- ☐ c.
- ☐ d.

Yes, the answer is correct.

Score: 1

Accepted Answers:

a.