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NPTEL

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Courses » Programming in Java

Announcements

Course

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Unit 13 - Week 11 :



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Course outline

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Assignment 11

The due date for submitting this assignment has passed.
As per our records you have not submitted this assignment.

Due on 2019-04-17, 23:59 IST.

1) Which of the following statement is TRUE?

1 point

- a. SQL is a database management system based on relational algebra.
- b. SQL is a programming language like C, C++ and Java.
- c. SQL is case-sensitive.
- d. SQL is used in Java programs with JDBC to process data in DBMS.

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
d.

2) The package, which is required to be imported for the JDBC programming?

1 point

- a. java.net
- b. java.sql
- c. java.lang
- d. java.io

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.
Score: 0

Accepted Answers:
b.

3) Which of the following is true about MySQL?

1 point

- a. MySQL is a database system used on the web.
- b. MySQL is a database system that runs on a server.
- c. MySQL uses standard SQL.
- d. MySQL is used to create a table, enter data into table, update records in a table and retrieving data from a table.
- e. All of the above.

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.
- ☐ e.

No, the answer is incorrect.
Score: 0

Accepted Answers:
e.

- 4) 1 point
- The SQL command "USE test" implies, which of the following?
- 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 t database only.
- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.
- No, the answer is incorrect.
- Score: 0
- Accepted Answers:
- d.
- 5) 1 point
- Which of the following SQL command(s) is/are used for entering a new record into a table, sa TEST?
- a. SELECT
 - b. CREATE
 - c. INSERT
 - d. UPDATE
- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.
- No, the answer is incorrect.
- Score: 0
- Accepted Answers:
- c.
- 6) 1 point
- Which of the following best describes about JDBC?
- a. JDBC works like a bridge connecting a Java application to a RDBMS, execute SQL commands and return results to the application.
 - b. JDBC is a software component, which is both network and database independent.
 - c. JDBC should be installed in the same machine from where the Java application will run.
 - d. JDBC should be installed in the same server that of the database.
- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.
- No, the answer is incorrect.
- Score: 0
- Accepted Answers:
- a.
- 7) 1 point

Which JDBC driver is efficient and always preferable for using JDBC applications?

- a. Type – 1
- b. Type – 2
- c. Type – 3
- d. Type – 4

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

8)

1 point

In JDBC, all raw data types (including binary documents or images) should be read and uploaded to the database as an array of

- a. int
- b. char
- c. byte
- d. String

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

9) The class `java.sql.Timestamp` has its super class as

1 point

- a. `java.sql.Time`
- b. `java.util.Date`
- c. `java.util.Time`
- d. `java.lang.Date`

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.

10)

1 point

Once a JDBC driver has been registered, what method is used to make the database connection

- 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.

No, the answer is incorrect.

Score: 0

Accepted Answers:

a.

11) What is/ are the steps required to include in a Java program using JDBC? 1 point

- a. Create a Connection object.
- b. Grab the connection with the DriverManager.
- c. Create a statement object from the connection.
- d. Get the ResultSet object and use it.
- e. All of the above.

- ☐ a.
☐ b.
☐ c.
☐ d.
☐ e.

No, the answer is incorrect.

Score: 0

Accepted Answers:

e.

12) 1 point
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.

No, the answer is incorrect.

Score: 0

Accepted Answers:

c.

13) 1 point
Which of the statements are correct about JDBC transactions?

- a. A transaction is a set of successfully executed statements in the database
- b. A transaction is finished when commit() or rollback() is called on the Connection object
- c. A transaction is finished when commit() or rollback() is called on the Transaction object
- d. A transaction is finished when close() is called on the Connection object.

- ☐ a.
☐ b.
☐ c.
☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.
d.

14) What is the use of PreparedStatement?

1 point

- a. It makes the Connection object to be getting ready.
- b. It executes SQL query and returns the data in a table (ResultSet) object.
- c. It determines the number of rows a ResultSet can contain.
- d. It is a precompiled series of SQL statements to be executed at one go.

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

d.

15) Which of the following is/ are interface(s)?

0 points

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

- ☐ a.
- ☐ b.
- ☐ c.
- ☐ d.

No, the answer is incorrect.

Score: 0

Accepted Answers:

b.
c.

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