JDBC

Total points 66/80 ❓

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✓ Which type of Statement can execute parameterized queries?   1/1

⦿ A. PreparedStatement   ✓

◯ B. ParameterizedStatement

◯ C. ParameterizedStatement and CallableStatement

◯ D. All kinds of Statements (i.e. which implement a sub interface of Statement)

✓ JDBC technology-based drivers generally fit into how many categories? 1/1

⦿ a. 4   ✓

◯ b. 3

◯ c. 2

◯ d. 5

✓   Which of the following allows non repeatable read in JDBC Connection?   1/1

○   A. TRANSACTION_READ_COMMITTED

○   B. TRANSACTION_READ_UNCOMMITTED

◉   C. TRANSACTION_REPEATABLE_READ   ✓

○   D. TRANSACTION_SERIALIZABLE

✓   Which method is used to establish the connection with the specified url   1/1
    in a Driver Manager class?

○   a. public static void registerDriver(Driver driver)

○   b. public static void deregisterDriver(Driver driver)

◉   c. public static Connection getConnection(String url)   ✓

○   d. public static Connection getConnection(String url,String userName,String
    password)

✗   How many copies of a JSP page can be in memory at a time?   0/1

◉   A. One   ✗

○   B. Two

○   C. Three

○   D. Unlimited

Correct answer

◉   C. Three

✓ Which interfaces provide methods for batch processing in JDBC?   1/1

○ a. java.sql.Statement

○ b. java.sql.PreparedStatement

● c. All the above   ✓

○ d. None of the above

✓ Which of the following statements is false as far as different type of   1/1
statements is concern in JDBC?

○ A. Regular Statement

● B. Interim Statementcorrect   ✓

○ C. Callable Statement

○ D. Prepared Statement

✓ Which was the first most widely used programming interface for   1/1
accessing relational databases and it offers the ability to connect all the
databases on all the platforms.?

○ a. JDBC API

● b. ODBC API   ✓

○ c. Both A & B

○ d. None of the above

✓ The interface ResultSet has a method, getMetaData(), that returns a/an 1/1

○ A. Tuple

○ B. Value

◉ C. Object ✓

○ D. Result

✗ Which JDBC drivers will run your program? 0/1

◉ a. The JDBC-ODBC bridge ✗

○ b. The JDBC driver manager

○ c. The JDBC driver test suite

○ d. None of the above

Correct answer

◉ c. The JDBC driver test suite

✓ Which method is used for an SQL statement that is executed frequently? 1/1

◉ a. prepareStatement ✓

○ b. prepareCall

○ c. createStatement

○ d. None of the above

✓   The method on the result set that tests whether or not there remains at   1/1
    least one unfetched tuple in the result set, is said to be

○ A. Fetch method

○ B. Current method

◉ C. Next method   ✓

○ D. Access method

✗   Which of the following is used to call a stored procedure?   0/1

○ A. Statement

○ B. PreparedStatement

◉ C. CallableStatment   ✗

○ D. CalledStatement

Correct answer

◉ D. CalledStatement

✓   JDBC RowSet is the wrapper of ResultSet,It holds tabular data like   1/1
    ResultSet but it is easy and flexible to use.

◉ a. True   ✓

○ b. False

✓ How many steps are used to connect any java application using JDBC?   1/1

◉ a. 5   ✓

◯ b. 4

◯ c. 3

◯ d. 6

✓ Which model does a Java applet or application talks directly to the data   1/1
source?

◉ a. Two-tier models   ✓

◯ b. Three-tier models

◯ c. Both A & B

◯ d. None of the above

✓ Which methods returns a stream that simply provides the raw bytes from 1/1
the database without any conversion?

◯ a. getCharacterStream

◉ b. getBinaryStream   ✓

◯ c. getAsciiStream

◯ d. getUnicodeStream

✕ In the following JDBC drivers which is known as fully java driver?   0/1

○ a. Native-API driver

◉ b. Network Protocol driver   ✕

○ c. Thin driver

○ d. Both B & C

Correct answer

◉ d. Both B & C

✓ How many JDBC product components does the Java software provides? 1/1

◉ a. 3   ✓

○ b. 2

○ c. 4

○ d. 5

✓ Which Indicates a result set that cannot be updated programmatically in 1/1
concurrency?

○ a. CONCUR_UPDATABLE

◉ b. CONCUR_READ_ONLY   ✓

○ c. All of the above

○ d. None of the above

✓ Which JDBC type represents a "single precision" floating point number   1/1
that supports seven digits of mantissa?

⦿ a. REAL   ✓

○ b. DOUBLE

○ c. FLOAT

○ d. INTEGER

✓ The database system compiles the query when it is   1/1

○ A. Executed

○ B. Initialized

⦿ C. Prepared   ✓

○ D. Invoked

✓ Which method is used to perform DML statements in JDBC?   1/1

○ A. execute()

○ B. executeQuery()

⦿ C. executeUpdate()   ✓

○ D. executeResult()

✓ In order to transfer data between a database and an application written   1/1
in the Java programming language, the JDBC API provides which of
these methods?

○ a.Methods on the ResultSet class for retrieving SQL SELECT results as Java types.

○ b. Methods on the PreparedStatement class for sending Java types as SQL
statement parameters.

○ c. Methods on the CallableStatement class for retrieving SQL OUT parameters as
Java types.

⦿ d. All mentioned above   ✓

✓ When the message "No Suitable Driver" occurs?   1/1

○ A. When the driver is not registered by Class.forname() method

○ B. When the user name, password and the database does not match

⦿ C. When the JDBC database URL passed is not constructed properly   ✓

○ D. When the type 4 driver is used

✓ Where is metadata stored in MySQL?   1/1

○ A. In the MySQL database metadata

○ B. In the MySQL database metasql

⦿ C. In the MySQL database mysql   ✓

○ D. None of the above is correct

✓ The .... object provides you with methods to access data from the 1/1
table.

○ A. ResultSet ✓

○ B. Parametrized

○ C. TableStatement

○ D. Condition

✓ Which is used to call the stored procedures and functions? 1/1

● a. CallableStatement Interface ✓

○ b. PreparedStatement Interface

○ c. All the above

○ d. None of the above

✗ What is the Life Cycle of Session bean ? Stateless session bean is 0/1
instantiated by

○ A. newInstance()

○ B. create()

○ C. Both of these

● D. None ✗

Correct answer

● A. newInstance()

The JDBC-ODBC bridge is   1/1

- ◉ A. Multithreaded   ✓
- ◯ B. Singlethreaded
- ◯ C. Both of the above
- ◯ D. none of the above

✓ Which type of driver provides JDBC access via one or more ODBC   1/1
drivers?

- ◉ A. Type 1 driver   ✓
- ◯ B. Type 2 driver
- ◯ C. Type 3 driver
- ◯ D. Type 4 driver

✓ The JDBC API has always supported persistent storage of objects   1/1
defined in the Java programming language through the methods
getObject and setObject.

- ◉ True   ✓
- ◯ b. False

✗   What is, in terms of JDBC, a DataSource?   0/1

○   A. A DataSource is the basic service for managing a set of JDBC drivers

◉   B. A DataSource is the Java representation of a physical data source   ✗

○   C. A DataSource is a registry point for JNDI-services

○   D. A DataSource is a factory of connections to a physical data source

Correct answer

◉   D. A DataSource is a factory of connections to a physical data source

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✗   Which driver Network connection is indirect that a JDBC client makes to   0/1
    a middleware process that acts as a bridge to the DBMS server?

○   a. JDBC-Net

○   b. JDBC-ODBC bridge

○   c. Native API as basis

○   d. Native protocol as basis

✓   Drivers that are JDBC Compliant should normally support scrollable   1/1
    result sets, but they are not required to do so.

◉   a. True   ✓

○   b. False

✓ Which class has traditionally been the backbone of the JDBC architecture? 1/1

○ a. the JDBC driver manager ✓

○ b. the JDBC driver test suite

○ c. the JDBC-ODBC bridge

○ d. All mentioned above

✓ The performance of the application will be faster if you use PreparedStatement interface because query is compiled only once. 1/1

○ a. True ✓

○ b. False

✓ Which driver converts JDBC calls directly into the vendor-specific database protocol? 1/1

○ a. Native - API driver

○ b. Network Protocol driver

○ c. Thin driver ✓

○ d. Both B & C

✓   What happens if you call deleteRow() on a ResultSet object?   1/1

○   A. The row you are positioned on is deleted from the ResultSet, but not from the database

◉   B. The row you are positioned on is deleted from the ResultSet and from the database   ✓

○   C. The result depends on whether the property synchronizeWithDataSource is set to true or false

○   D. You will get a compile error: the method does not exist because you cannot delete rows from a ResultSet

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✓   Which JDBC type represents a 64-bit signed integer value between -9223372036854775808 and 9223372036854775807?   1/1

○   a. SMALLINT

◉   b. BIGINT   ✓

○   c. TINYINT

○   d. INTEGER

✓   What is the disadvantage of Type-4 Native-Protocol Driver   1/1

◉   A. At client side, a separate driver is needed for each database   ✓

○   B. Type-4 driver is entirely written in Java

○   C. The driver converts JDBC calls into vendor-specific database protocol

○   D. It does not support to read MySQL data

✓ How many JDBC driver types does Sun define? 1/1

○ A. One

○ B. Two

○ C. Three

◉ D. Four ✓

✓ Which of the following methods are needed for loading a database driver 1/1
in JDBC?

○ A. registerDriver() method

○ B. Class.forName()

◉ C. Both A and B ✓

○ D. getConnection()

✓ Which packages contain the JDBC classes? 1/1

○ A. java.jdbc and javax.jdbc

○ B. java.jdbc and java.jdbc.sql

◉ C. java.sql and javax.sql ✓

○ D. java.rdb and javax.rdb

✓ Which method is used for retrieving streams of both ASCII and Unicode   1/1
characters is new in the JDBC 2.0 core API?

◉ a. getCharacterStream   ✓

○ b. getBinaryStream

○ c. getAsciiStream

○ d. getUnicodeStream

✗ To run a compiled Java program, the machine must have what loaded   0/1
and running

○ A. Java virtual machine

○ B. Java compiler

○ C. Java bytecode

◉ D. A Web browser   ✗

Correct answer

◉ A. Java virtual machine

✓ What is not true of a Java bean?   1/1

○ A. There are no public instance variables

◉ B. It may have many constructors as necessary   ✓

○ C. All persistent values are accessed using getxxx and setxxx methods

○ D. All of the above are true of a Java bean

✓   The method on the result set that tests whether or not there remains at   1/1
     least one unfetched tuple in the result set, is said to be

○   A. Fetch method

○   B. Current method

◉   C. Next method   ✓

○   D. Access method

✗   What is, in terms of JDBC, a DataSource?   0/1

○   A. A DataSource is the basic service for managing a set of JDBC drivers

◉   B. A DataSource is the Java representation of a physical data source   ✗

○   C. A DataSource is a registry point for JNDI-services

○   D. A DataSource is a factory of connections to a physical data source

Correct answer

◉   D. A DataSource is a factory of connections to a physical data source

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✓   Which driver is efficient and always preferable for using JDBC   1/1
     applications?

◉   A. Type – 4   ✓

○   B. Type – 1

○   C. Type – 3

○   D. Type – 2

✓ What is used to execute parameterized query?　　　1/1

○ a. Statement interface

⦿ b. PreparedStatement interface　　　　　　　　✓

○ c. ResultSet interface

○ d. None of the above

✓ In order to transfer data between a database and an application written　1/1
in the Java programming language, the JDBC API provides which of
these methods?

○ A. Methods on the ResultSet class for retrieving SQL SELECT results as Java types.

○ B. Methods on the PreparedStatement class for sending Java types as SQL
statement parameters.

○ C. Methods on the CallableStatement class for retrieving SQL OUT parameters as
Java types.

⦿ D. All mentioned above　　　　　　　　　　　✓

✓ The ResultSet.next method is used to move to the next row of the　　1/1
ResultSet, making it the current row.

⦿ a. True　　　　　　　　　　　　　　　　　✓

○ b. False

✓   ResultSet object can be moved forward only and it is updatable.   1/1

○   a. True

◉   b. False   ✓

✗   How many types of JDBC drivers are available?   0/1

○   a. 3

○   b. 4

○   c. 2

◉   d. 5   ✗

Correct answer

◉   b. 4

✓   How many Result sets available with the JDBC 2.0 core API?   1/1

○   a. 2

◉   b. 3   ✓

○   c. 4

○   d. 5

JDBC stands for?

○ a. Java database connectivity

○ b. Java database concept

○ c. Java database communications

○ d. None of the above

✓ Which JDBC product components does the Java software provide?   1/1

○ a. The JDBC driver manager

○ b. The JDBC driver test suite

○ c. The JDBC-ODBC bridge

◉ d. All mentioned above   ✓

✓ The performance of the application will be faster if you use   1/1
   PreparedStatement interface because query is compiled only once.

◉ a. True   ✓

○ b. False

✓   Which result set generally does not show changes to the underlying   1/1
     database that are made while it is open. The membership, order, and
     column values of rows are typically fixed when the result set is created?

   ○   a. TYPE_FORWARD_ONLY

   ◉   b. TYPE_SCROLL_INSENSITIVE   ✓

   ○   c. TYPE_SCROLL_SENSITIVE

   ○   d. ALL MENTIONED ABOVE

✗   Which are the new features adding in to the JDBC 4.0?   0/1

   ◉   A. Auto-loading of JDBC driver class   ✗

   ○   B. Connection management enhancements

   ○   C. Support for RowId SQL type

   ○   D. All of the above

   Correct answer

   ◉   D. All of the above

✓   Which of the following is method of JDBC batch process?   1/1

   ○   A. setBatch()

   ○   B. deleteBatch()

   ○   C. removeBatch()wrong

   ◉   D. addBatch()   ✓

✓   Which JDBC type represents a "single precision" floating point number   1/1
    that supports seven digits of mantissa?

    ◉ A. Real   ✓

    ○ B. Double

    ○ C. Floatwrong

    ○ D. Integer

✓   Which models do the JDBC API support for the database access?   1/1

    ○ a. Two-tier models

    ○ b. Three-tier models

    ◉ c. Both A & B   ✓

    ○ d. None of the above

✓   Which driver uses ODBC driver to connect to the database?   1/1

    ◉ a. JDBC-ODBC bridge driver   ✓

    ○ b. Native - API driver

    ○ c. Network Protocol driver

    ○ d. Thin driver

✓ What is the reason that a java program cannot directly communicate with an ODBC driver? 1/1

○ a. ODBC written in C# language

◉ b. ODBC written in C language ✓

○ c. ODBC written in C++ language

○ d. None of the above

✓ How can you execute a stored procedure in the database? 1/1

◉ A. Call method execute() on a CallableStatement object ✓

○ B. Call method executeProcedure() on a Statement object

○ C. Call method execute() on a StoredProcedure object

○ D. Call method run() on a ProcedureCommand object

✓ The .... method executes a simple query and returns a single Result Set object 1/1

○ A. executeUpdate()

◉ B. executeQuery() ✓

○ C. execute()

○ D. noexecute()

✓ The ACID properties does not describes the transaction management well. 1/1

○ a. True

◉ b. False ✓

✓ Which of the following JDBC drivers is known as a partially java driver? 1/1

○ a. JDBC-ODBC bridge driver

◉ b. Native-API driver ✓

○ c. Network Protocol driver

○ d. Thin driver

✓ Which statements about JDBC are true? 1/1

○ A. JDBC is an API to connect to relational-, object- and XML data sources

◉ B. JDBC stands for Java DataBase Connectivity ✓

○ C. JDBC is an API to access relational databases

○ D. JDBC is an API to bridge the object-relational mismatch between OO programs and relational databases

✓ Which of the following methods are needed for loading a database driver 1/1
in JDBC?

○ A. registerDriver() method

○ B. Class.forName()

◉ C. Both A and B ✓

○ D. getConnection()

✓ JDBC is a Java API that is used to connect and execute query to the 1/1
database

◉ a. True ✓

○ b. False

✓ The JDBC API is what allows access to a data source from a Java middle 1/1
tier

◉ a. True ✓

○ b. False

✕ The intent is for JDBC drivers to implement non scrollable result sets   0/1
   using the support provided by the underlying database systems.

◉ a. True   ✕

○ b. False

Correct answer

◉ b. False

✓ Which method Drops all changes made since the previous   1/1
   commit/rollback?

◉ a. public void rollback()   ✓

○ b. public void commit()

○ c. public void close()

○ d. public Statement createStatement()

✓ Which of the following is an advantage of using PreparedStatement in   1/1
   Java?

○ A. Slow performance

○ B. Encourages SQL injection

◉ C. Prevents SQL injection   ✓

○ D. More memory usage

✓ Abbreviate the term UDA? 1/1

⭕ a. Unified Data Access

🔘 b. Universal Data Access ✓

⭕ c. Universal Digital Access

⭕ d. Uniform Data Access

✗ Which kind of driver converts JDBC calls into calls on the client API for Oracle, Sybase, Informix, IBM DB2, or other DBMS? 0/1

🔘 a. JDBC-ODBC bridge plus ODBC driver ✗

⭕ b. Native-API partly-Java driver

⭕ c. JDBC-Net pure Java driver

⭕ d. Native-protocol pure Java driver

Correct answer

🔘 b. Native-API partly-Java driver

✗　Which of the following encapsulates an SQL statement which is passed　0/1
to the database to be parsed, compiled, planned and executed?

◉ A. DriverManager　　　　　　　　　　　　　　　　　　✗

◯ B. JDBC driver

◯ C. Connection

◯ D. Statement

Correct answer

◉ D. Statement

✓　A leading database connectivity vendor, worked together to produce the 1/1
____.

◯ a. JDBC-ODBC Bridge

◯ b. JDBC Driver Test Suite

◉ c. Both A & B　　　　　　　　　　　　　　　　　　　✓

◯ d. None of the above

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