**Unit 1 – JDBC**

1. Which of the following is used to call stored procedure?   
   a) Statement  
   b) PreparedStatement  
   **c) CallableStatement**  
   d) CalledStatement

CallableStatement is used in JDBC to call stored procedure from Java program.

1. Select the statement which is NOT part of Data Definition Language(DML)
2. Create
3. Alter
4. Drop
5. **Merge**
6. In order to transfer data between a database and an application written 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**

4. Which of these is a part of Data Manipulation Language?

a) Rename

b) Truncate

**c) Lock Table**

d) Grant

5. Which JDBC type represents a "single precision" floating point number that supports seven digits of mantissa?

a) REAL

b) DOUBLE

c) FLOAT

d) INTEGER

6. Which method is used to establish the connection with the specified url 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)

7. Which of these is not a necessary and mandatory step to work with JDBC?

a) Load the Driver

b) Get the DB Connection via Driver

c) Execute SQL Queries via Connection

d) Process results returned by SQL Queries

e) Print the results using required print statements

8. Identify the statement which is NOT a disadvantage w.r.t Native API Driver

a) Client-side library is not available for all DB’s

b) Vendor client library needs to be installed

c) Platform independent

d) Not thread-safe

9. Which of these is a serious disadvantage of Type 4 – Native Protocol Driver?

a) Drivers are DB-dependent

b) Server-side installation is required

c) Vendor client library needs to be installed

d) Application connects directly to the DB Server

10. What happens if deleteRow() is called on a ResultSet object?

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

11. Which type of Statement can execute parameterized queries?

a) ParameterizedStatement

b) CallableStatement

c) Statement

d) PreparedStatement

e) ParameterizedStatement and CallableStatement

12. Which statements about JDBC are true?

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

13. Which packages contain the JDBC classes?

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

14. Which method is used to perform DML statements in JDBC?

a) execute()

b) executeQuery()

c) executeUpdate()

d) executeResult()

15. Which of the following methods are needed for loading a database driver in JDBC?

a) registerDrivers() method

b) Class.forName() method

c) getConnection() method

d) Any of the mentioned method

16. When the message "No Suitable Driver" occurs?

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

17. Which of the following encapsulates an SQL statement which is passed to the database to be parsed, compiled, planned and executed?

a) DriverManager

b) JDBC driver

c) Connection

d) Statement

18. Which of the following is used generally for reading the content of the database?

a) boolean execute()

b) ResultSet executeQuery()

c) int executeUpdate()

d) None of the above.

19. Which of the following is a Metadata interfaces of JDBC?

a) DatabaseMetaData

b) ResultSetMetaData

c) Both

d) None

20. What does the Class.forName("MyClass") do?

a) Loads the class MyClass.

b) Execute any static block code of MyClass.

c) Returns an instance of MyClass.

d) All of the options

21. Which of the following datatypes is used for storing text-oriented information?

a) BLOB

b) CLOB

c) REF

d) STRUCT

22. TIMESTAMP represents

a) Date only

b) Date and Time

c) Date, Time along with Nanosecond

d) Time with Nanosecond

23. Which page directive should be used in JSP to generate a PDF page?

a) contentType  
b) generatePdf  
c) typePDF  
d) contentPDF

24.Which tag should be used to pass information from JSP to included JSP?

a) Using <%jsp:page> tag  
b) Using <%jsp:param> tag  
c) Using <%jsp:import> tag  
d) Using <%jsp:useBean> tag

25.Application is instance of which class?

a) javax.servlet.Application  
b) javax.servlet.HttpContext  
c) javax.servlet.Context  
d) javax.servlet.ServletContext

26.Which is mandatory in <jsp:useBean /> tag?

a) id, class  
b) id, type  
c) type, property  
d) type,id

27.Which one of the following is correct for directive in JSP?

a) <%@directive%>  
b) <%!directive%>  
c) <%directive%>  
d) <%=directive%>

28.What temporarily redirects response to the browser?

a) <jsp:forward>  
b) <%@directive%>  
c) response.sendRedirect(URL)  
d) response.setRedirect(URL)

29.The difference between Servlets and JSP is in

a) translation

b) compilation

c) Syntax

d) Both translation and compilation

30.What is the correct signature of \_jspService() method of HttpJspPage class?

[A - void \_jspService(HTTPRequest request, HTTPResponse response)](javascript:void(0);)

[B – void \_jspService(HTTPRequest request, HTTPResponse response) throws ServletException, IOException](javascript:void(0);)

[C - void \_jspService()](javascript:void(0);)

[D - void \_jspService() throws ServletException, IOException](javascript:void(0);)

31.JSP’s are used when Presentation Logic is more important than Business Logic.

a) True

b) False

32. Which of the scripting of JSP does not put content into service method of the converted servlet?

a. Declarations

b. Scriptlets

c. Expressions

d. None of the mentioned

33.\_jspService() method of HttpJspPage class can be overridden.

a.True

b.False

34.jspInit() method of HttpJspPage class can be overridden.

a. True

b.False

35.Which of the following method can be used to read a form parameter in JSP?

a. request.getParameter()

b. response.getParameter()

c. request.getValue()

d, response.getValue()