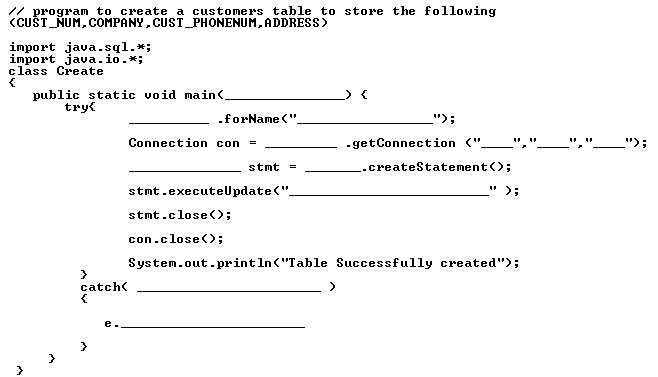
|  |  |
| --- | --- |
| **JDBC & SERVLETS**  **NAME: \_\_\_\_\_\_\_\_\_ TIME : 90 MINS** | **Test Objectives**   * *Basic understanding of JDBC* * *To understand the Servlet* |

**MARKS OBTAINED: \_\_\_\_ / 50**

**GRADE \_\_\_\_\_**

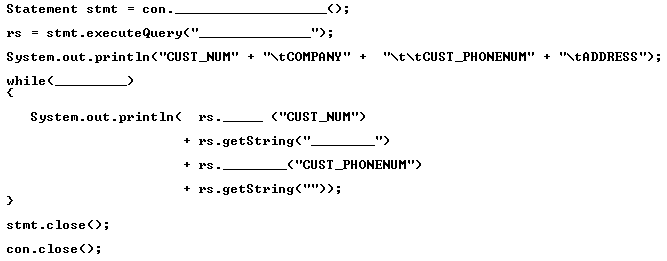
1. **Fill in the Blanks (20\*1=20)**
2. Data base is a collection of \_\_\_\_\_\_\_\_\_\_\_\_\_.
3. \_\_\_\_\_\_\_\_\_\_ are used by Java applications to communicate with database servers
4. Microsoft established a common standard for communicating with databases, called ODBC it stands for\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Type -1 driver is called as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. Java Soft created the \_\_\_\_\_\_\_\_\_\_\_\_\_ driver as a temporary solution to database

Connectivity until suitable JDBC drivers was developed.

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_consists of pure Java drivers that speak a standard network protocol (such as HTTP) to a database access server.
2. \_\_\_\_\_\_\_\_\_\_\_\_ provides a common database-programming API for Java programs.
3. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ class is responsible for loading and unloading drivers.
4. \_\_\_\_\_\_\_\_\_\_\_ Method defined in the HttpServletResponse class that may be used to set the content type.
5. When a statement object is send to the database, the database runs the SQL and returns a \_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. A Statement object is created using the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ method in the Connection object.
7. The return type of executeQuery() method is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
8. The return type of executeUpdate () is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
9. The number of ResultSet(s) returned by executeQuery () is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
10. executeUpdate() method can execute \_\_\_\_\_\_\_\_\_\_\_\_\_\_ methods of SQL.
11. The servlet API contains \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ packages.
12. CGI stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
13. Servlets can also very easily handle POST requests, which are generated when someone creates an HTML form that specifies METHOD="\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_” .
14. doGet or doPost() method takes \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_arguments.
15. MVC stands for \_\_\_\_\_\_\_\_\_\_\_\_,\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_& \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
16. GenericServlet is an \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
17. \_\_\_\_\_\_\_\_\_\_\_ is responsible to create a servlet instance.
18. Web.xml is also called as \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
19. HTTP stands for\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
20. By default tomcat runs on \_\_\_\_\_\_\_\_\_\_\_ port
21. **Complete the following Program (5 \* 3 =15)**

**1**

**2. Complete the following code to Select the rows from the above created table**

****

1. Write a JDBC Application to select a record based on emp id and delete a record also based on empid.
2. Write a JDBC program to demonstrate a PreparedStatement.
3. Write a JDBC Program to demonstrate CallableStatment.

**III. ANSWER ANY 5 OF THE FOLLOWING (5\*3=15)**

1. How to get JDBC connection?

2. How can you implement JDBC?

3. How do you retrieve result?

4. Write steps to create a Web application and Tomcat directory structure.

5. Explain prepared statements and Callable statements.

6. GET V/S POST

6. Servlet Life Cycle