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| **ASSESMENT TEST** # **IV**  **MAX MARKS : 100 TIME: 180 Minutes** | **Test Objectives**   * *Basic understanding of JDBC* * *To understand Servlets* * *To understand the concept of JSP* |

**NAME: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ MARKS OBTAINED: \_\_\_\_ / 100 GRADE \_\_\_\_\_**

**I. Fill in the Blanks (40 \*1 = 40)**

1. Before JDBC\_\_\_\_\_\_\_\_\_\_ was used to connect and execute query to the database
2. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ uses ODBC driver to connect to the database.
3. The Native API driver uses the \_\_\_\_\_\_\_\_\_\_\_\_ libraries of the database.
4. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ method of Class class is used to register the driver class. This method is used to \_\_\_\_\_\_\_\_\_\_\_\_\_\_ load the driver class.
5. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ method of Connection interface is used to create statement
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ method of Statement interface is used to execute queries to the database
7. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ interface provides methods to execute queries with the database
8. The \_\_\_\_\_\_\_\_\_\_\_ interface is a subinterface of Statement. It is used to execute \_\_\_\_\_\_\_\_\_\_\_\_ query
9. The \_\_\_\_\_\_\_\_\_\_\_\_ method of PreparedStatement is used to get Binary information and the \_\_\_\_\_\_\_\_\_\_\_method of PreparedStatement is used to get file information from the database.
10. To call the stored procedures and functions\_\_\_\_\_\_\_\_\_\_\_\_\_ interface is used
11. In JDBC, \_\_\_\_\_\_\_\_\_\_\_\_\_ nterface provides methods to manage transaction.
12. The \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_ interfaces provides methods for batch processing.
13. Servlet technology is used to create \_\_\_\_\_\_\_\_\_\_\_\_application
14. HTTP stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
15. HTTP is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ protocol.
16. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ server contains only web or servlet container.
17. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ contains interfaces and classes that are responsible for http requests only.
18. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ interface provides common behaviour to all the servlets.
19. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ method of servlet and invoked by the web container only once
20. GenericServlet class implements \_\_\_\_\_\_\_\_ , \_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_interfaces
21. The HttpServlet class extends the \_\_\_\_\_\_\_\_\_\_\_\_\_\_and implements \_\_\_\_\_\_\_\_\_\_\_\_\_\_.
22. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ method of ServletRequest interface returns the object of RequestDispatcher
23. The sendRedirect() method of \_\_\_\_\_\_\_\_\_\_\_\_ interface can be used to redirect response to another resource, it may be servlet, jsp or html file
24. An object of \_\_\_\_\_\_\_\_\_\_ is created by the web container for each servlet.
25. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is used to get all Intialization parameters.
26. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a way to maintain state (data) of an user.
27. A small piece of information that is persisted between the multiple client requests is \_\_\_\_\_\_\_\_\_\_\_\_\_\_
28. The class provides the functionality of using cookies is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
29. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ method is used to get all the cookies.
30. The container creates a \_\_\_\_\_\_\_\_\_\_\_\_ for each user in HttpSession.
31. A JSP page consists of \_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_ tags.
32. There are three types of scripting elements: can you name them\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
33. A \_\_\_\_\_\_\_\_\_tag is used to execute java source code in JSP.
34. Syntax of JSP expression tag \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
35. The JSP declaration tag is used to declare \_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
36. In total there are \_\_\_\_\_\_\_ jsp implicit objects.
37. response is an implicit object of type \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
38. The \_\_\_\_\_\_\_\_\_object can be used to get initialization parameter for a particular JSP page
39. In JSP, session is an implicit object of \_\_\_\_\_\_\_\_\_\_\_\_\_\_
40. MIME stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

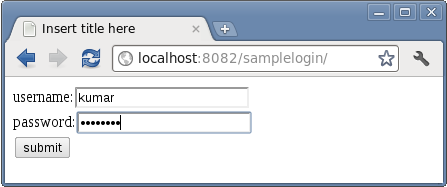
**II. Answer the following (5 \* 6 = 30)**

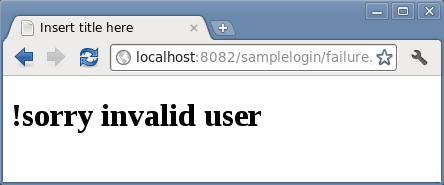
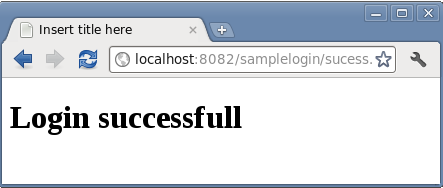
1. DatabaseMetadata & PreparedStatements
2. ResultSet
3. Servlet Life Cycle
4. Java Server Pages Life Cycle
5. Session Handling

**III. Write Code for any 3 of the Following (3 \* 10= 10)**

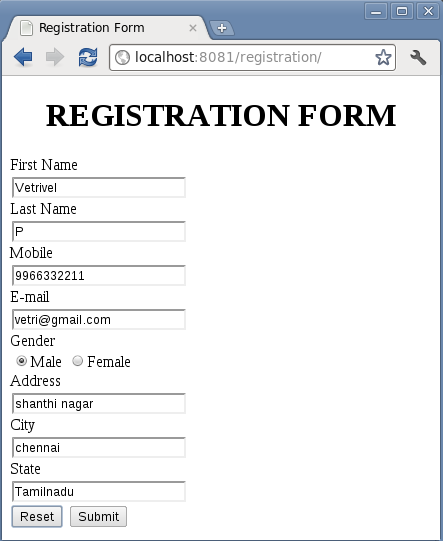
1. A) Create a login page using Servlets and Html page

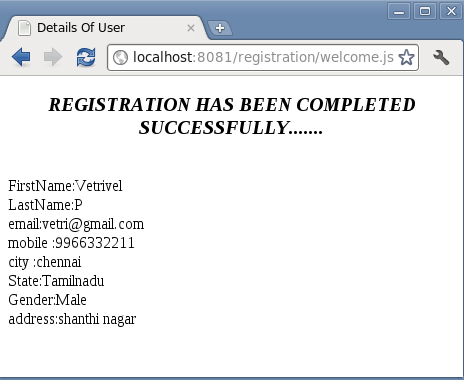
B) Design the Following.



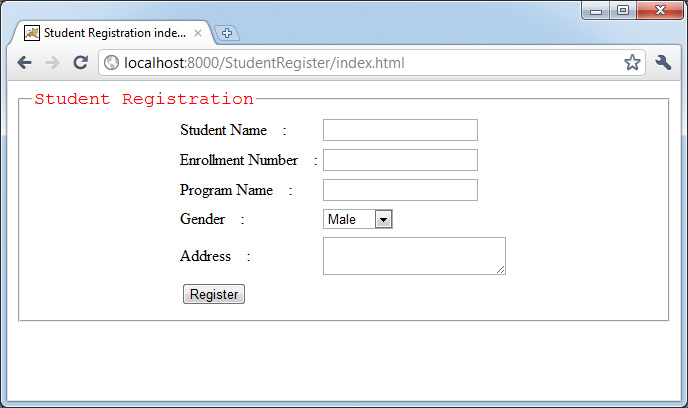


1. Create the following Registartion page using Servlets display the details .





1. Write a Servlet/JSP Program with JDBC to insert Student Record into the database



1. Write a Servlet/JSP program to retrieve Display Data from Database in JSP

