

School of Technology
Computer Science & Engineering
Semester 6
Advanced Java Technology (BTCS603)
Practical List

Sr. No	Practical Aim
1.	Create a Chat application using TCP/P and UDP Protocol
2.	Write a client server program using UDP where client sends a string expression and server evaluate that expression and send the result. For an example Client: 10 + 20 <Enter> Server: Sending Result... Client: Result=30
3.	Write a TCP Client-Server program to get the Date & Time details from Server on the Client request.
4.	Create a multi-threaded server to which more than one client can connect and communicate with Server for sending the string and server returns the reverse of string to each of client
5.	Create a File Server Which transfer a file to Client
6.	Create a new database named "StudentDB" and also create new table "Student" under that database. Once database has been created then perform following database operation 1. Connect 2. Create Database 3. Create Table 4. Insert Records into respective table 5. Update records of particular table of database 6. Delete Records from table. 7. Delete table and also database. using Statement and ResultSet interface.
7.	Create a new database named "EmployeeDB" and also create new table "Employee" under that database. Once database has been created then perform following database operation 1. Connect 2. Create Database 3. Create Table 4. Insert Records into respective table 5. Update records of particular table of database 6. Delete Records from table. 7. Delete table and also database using PreparedStatement and ResultSet interface.
8.	Create stored Procedur and call that using CallbaleStatement Interface.

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9.	Write a Program to make ResultSet scrollable and updatable and perform insertion and deletion using ResultSet only. 2. Write a program to fetch different metadata like TABLE CATALOG, TABLE SCHEMA, TABLE TYPE, Column Count, Column Label from a database.
10.	Create Servlet file and study web descriptor file.
11.	Write servlet which displayed following information of client. I. Client Browser II. Client IP address III. Client Port No IV. Server Port No V. Local Port No VI. Method used by client for form submission VII. Query String name and values
12.	Design a form to input details of an employee and submit the data to a servlet. Write code for servlet that will save the entered details as a new record in database table Employee with fields (EmpId, EName, Email, Age).
13.	Create login form and perform state management using Cookies, HttpSession and URL Rewriting
14.	Implement Authentication filter using filter API
15.	Write a JSP program to find out details of user available in the system.
16.	Write a JSP program to use SQL JSTL tag to execute select query.
17.	Write a web application to register a user using servlet, JSP and Hibernate
18.	Study and Implement MVC using Spring Framework