

**Semester : 6-CE/IT**

**Sub code: 2160707**

**Subject Name: Advance Java Technology-Lab Manual**

**Branch : \_\_\_\_\_**

**Enrollment No: \_\_\_\_\_**

Practical No	AIM	Sign of Faculty
1	Create chat application using either TCP or UDP protocol.	
2	Implement TCP Server for transferring files using Socket and ServerSocket.	
3	Implement any one sorting algorithm using TCP/UDP on Server application and Give Input on Client side and client should sorted output from server and display sorted on input side.	
4	Implement Concurrent TCP Server programming in 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	Implement Student information system using JDBC Driver Type 4. (INSERT/UPDATE/DELETE/Display Records of Student using SELECT.	
6	User can create a new database and also create new table under that database. Once database has been created then user can perform database operation by calling above functions. Use following Java Statement interface to implement program: 1. Statement 2. Prepared statement 3. Callable statement.	
7	Retrieve Employee Details from database as a ResultSet instance.	
8	WAP to demonstrate the use of DatabaseMetaData interface.	
9	Write a JDBC program to insert and retrieve photo in database.	
10	Write a Web application using Servlet to find the sum of all digits of an input integer .	
11	Write a Web application using Servlet to find area of circle. Get radius from client. Write necessary web.xml file.	
12	Write a Servlet which accept 2 number using POST methods and display maximum of them.	
13	Write a Servlet which accept 2 number from HTML form and display their sum and difference on another page.	
14	Write a Servlet which accept a font name and name of background color from user and use this information to display text in the specified font and change the background color of the HTML page to specified color.	
15	Write a Servlet code to get information about the server such as name of server, server port number and server version.	
16	Write a Servlet to count the number of times a Servlet has been invoked.	
17	Create login form and perform state management using Cookies, HttpSession and URL Rewriting.	
18	Create Servlet file which contains following functions: 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.	

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19	Write lines of code in JSP: 1. Session read and write 2. URL rewriting and retrieving parameters. 3. URL redirection 4. Print "Hello world" 5. Include other JSP file statically 6. Print date as output.	
20	Write JSP page to display your mark sheet with all necessary file to deploy it.	
21	Write JSP program to accept username and password from HTML and display it on another page.	
22	Create JSP Application for : Shopping Cart.	
23	Demonstrate JSF Program: How to access database in JSF.	
24	Demonstrate Libraries: PrimeFaces.	
25	Create Employee Salary Application using Hibernate.	
26	Create Ticket Booking Application using Spring	