

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### V SEMESTER B Section CIE 2(Oct-Jan 2024-25) Advanced Java Programming Laboratory-CSL57

QUESTIONS
1. Write a Java Servlet program that reads following information -> Employee's name, number of hours worked in week, hourly pay rate, tax (20%) from the user and prints a statement of payroll with employee's details.
2. Create and store three cookies with different attributes (such as name, value, expiration time, etc.). Retrieve and display the stored cookies using a second JSP program, extracting their names, values, and any additional attributes
3. Write a JSP program to retrieve and display Student Information. Create an index.html page to collect the <b>USN</b> (University Serial Number) of the student from the user. In displayData.jsp, connect to the database, and retrieve the student details based on the USN entered by the user. If the <b>USN</b> exists in the database, display the corresponding USN and Name. If the <b>USN</b> does not exist, display the message: <b>"Invalid USN"</b> .
4. Write a Java Servlet program that loads area and phone no. of police station of that area from a database. It takes phone number ( do validation) as input and prints the details in a separate page. Create police_station table with appropriate fields.
5. Write a JSP program to create a form with Book_No, Title, Author, Publication, Price and a Submit button. Using JSP-Database connectivity, get the data from the form and insert the records into the database. Retrieve the book details for the particular title and display the details.
6. Write a Java servlet program to create 4 cookies. Set 2 cookies with 1 minute of expirydate. Display all the cookies when the servlet is loaded for the first time. Refresh the page
7. and display the remaining 2 cookies.
8. Write a Java Servlet program to display how many times a visitor is visiting the webpage using session object. If the user is visiting for the first time, display Welcome message, else display the number of times he is visiting the page.
9. Write a JSP program that takes the user's name and age from a form. Echo back the name and age along with a message stating the price of movie tickets. The price is determined by the age passed to the JSP. <ol style="list-style-type: none"> <li>If the age is greater than 62, the movie ticket price is Rs. 50.</li> <li>If the user is less than 10 years old, the price is Rs. 30.</li> <li>For everyone else, the price is Rs. 80.</li> </ol>
10. Develop a JSP application that has the following pages. The index page register.html contains 2 text boxes for entering username and password. Provide a button "Register". Once the Register button is clicked the page should be redirected to welcome.jsp. In welcome.jsp validate username and password and display welcome message for a valid user ( <b>Use Sessions</b> ).