**Task Lab-07**

**Task 01**

Create a complete website using JSP with the pages Home, About, Contact, Register, and Signup, ensuring that the header and footer are identical across all pages by writing them once and including them via the JSP include directive. Use Bootstrap to style the layout. Structure your project with a /common folder for header.jsp and footer.jsp, and place individual page files (like index.jsp, about.jsp) in the main directory. In each page, include the header and footer using <%@ include file="/common/header.jsp" %> and <%@ include file="/common/footer.jsp" %>.

**Task -02**

Create a JSP page that takes user input for an employee’s name, basic salary, allowances, and deductions through an HTML form and displays the employee's name along with the calculated net salary (basic salary + allowances - deductions) using JSP expression tags (<%= %>). Ensure all inputs are validated to prevent empty fields, and display the result dynamically on submission. Optionally, add CSS styling to enhance the page’s appearance.

**Task-03**

Create a JSP page that collects a user's first name, last name, and age through an HTML form. Upon submission, use JSP Scriptlet Tags (<% ... %>) to concatenate the full name and determine if the user is a minor or an adult (age ≥ 18). Display the full name and a message saying "You are an Adult" or "You are a Minor" based on the age input.

**Task-04**

Create a JSP page that uses a JSP Declaration Tag (<%! ... %>) to define a method called calculateFactorial(int n) which returns the factorial of a given number. Use an HTML form to take a number as input from the user, and on submission, call the declared method within the JSP to calculate and display the factorial of the entered number.

**Task-05**

Create a JSP application with two pages: order.jsp and confirmation.jsp. In order.jsp, design an HTML form to collect a user’s email address and order details (such as product name and quantity). Upon submission, use the JSP Forward Tag (<jsp:forward />) to redirect to confirmation.jsp. In confirmation.jsp, retrieve and display the user’s email and order details, along with a confirmation message that thanks them for their order.

**Task-06**  
Create a JSP application with two pages: input.jsp and greeting.jsp. In input.jsp, create an HTML form that collects a user's first name and last name. Upon submission, use the JSP Param Tag (<jsp:param />) within a jsp:forward tag to pass the collected names as parameters to greeting.jsp. In greeting.jsp, retrieve the first and last names using the request.getParameter() method and display a personalized greeting message that combines both names, such as "Hello, [First Name] [Last Name]! Welcome to our website!