

Java-J2EE – L1

Environment Setup Details:

Software to be Installed on your laptop/desktop

1. Open JDK 11 or higher version
2. Browsers (Chrome & Mozilla latest version)
3. Eclipse IDE latest version
4. Tomcat 9 or higher version
5. Any relational database(MySQL/Oracle/h2)

You can raise a software requisition for the above software by following one of the below options:

1. <https://wasp.wipro.com/esd>
2. <https://mywipro.wipro.com> --> My Requests --> IT Services --> Software Requisition

General Instructions:

1. You can include the applicable and relevant user defined files as necessary to implement your solution.
2. Capture screen shots of the output of the program wherever applicable and submit it along with the solutions.
3. Practice and use the best practices while implementing the solution like proper formatting, indentation, usage of useful comments, meaningful variable and function names etc.,
4. Submit the src folder of your projects and screenshots while submitting the assignment.

Servlets Assignments

1. Write a Servlet program to validate a Login. Assume there are two types of users (Admin and Employee). Appropriate Home page should be displayed after successful Login. In addition to that, display the appropriate error page for the invalid Login.

Note: -

- I. Create a **User** table with 3 Columns (username, password, User type). User type value is “A” for Admin and “E” for Employee.
- II. Design a Login Page with the Client side validations.in addition to that design Admin **Homepage** and **Employee Home Page** with some static Message to indicate a homepage.

- 2.Modify the Admin Home page for Admin user with the following Options to Add Training program and Delete Training program.

Add Training

Delete Training

Add Training: - When user clicks the Add Training, appropriate page should be open to add Training details like TrainingID, TrainingName, Startdate, EndDate, TrainingMode, BusinisessUnit, ContactpersonID.

Delete Training: - when user click this link, appropriate page should open to select the training program to be deleted.

Note: - Create a table to add Training Details like TrainingID, TrainingName, Start Date, EndDate, TrainingMode, BusinisessUnit, ContactpersonID.

JSP Assignments

1. Write a JSP program which when invoked will print today's date and time. [Hint: Use JSP expressions here]
2. Write a JSP program to display "Welcome to JSP page" on the browser page. [Hint: Use implicit object **out** with scriptlet here]
3. Write a JSP program that prints multiplication table of 9. [Hint: Use declaration tag to declare & Initialize a variable]
4. Create a JSP that forwards the request to one of three different HTML/JSP pages, depending on the value of the operation request parameter. Say if input is <10 then page 1 or greater than 10 and less than 99 then page 2 otherwise error page. (Hint: Use page directive to work with error page)