Ramaiah Institute of Technology
(Autonomous Institute, Affiliated to VTU)
Department of Computer Science & Engineering

Advanced Java Laboratory (CSL56)

USN: **Week #: 08**

Semester: **Section:**   **Date:**

Instructions:
- **Implement the following programs using java language.**

Programs:

1. Write a JSP program to accept the 5 subject marks entered and display his/her grade to the browser. Department has set the grade for the subject Java as follows: Above 90=S, 80-89=A, 70-79=B, 60-69=C, 50-59=D, Below 50=FAIL.

2. Write a JSP 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.
   - If the age is greater than 62, the movie ticket price is Rs. 50.
   - If the user is less than 10 years old, the price is Rs. 30.
   - For everyone else, the price is Rs. 80.

3. Write a JSP program to simulate the Scientific Calculator. Provide the operations for Sin, Cos, Tan, Log, & Root. Perform the form validation and display appropriate message.

4. Write a JSP program to connect to the Student database and display the details. The Student table has USN & Name. Create an index.html page to collect USN from the User. Connect to database from displayData.jsp and display the USN & Name if the USN is present in the table. Else display Invalid USN.

EVALUATION			
Program	**Remarks**	**Marks**	**Faculty Signature**
JSP Program on Grade Calculation			
JSP Program on Movie Ticket Price Calculation			
JSP Program to simulate Scientific Calculator			
JSP-JDBC Program			