

Ex.No: 7: Programs using Java Server Pages (JSP)

- a. Write a program using JSP to print the message -“HELLO WORLD” in the browser window. Also insert the current date and time into the web page using the JSP Expression.
- b. Write a JSP program to sort the given list of names in alphabetical order and display the sorted list in the browser window.
- c. Design an HTML Form that consists of the following fields and a SUBMIT button.

Emp Name	Emp ID	DOB
Department	Salary	Email ID

Write a JSP Program to retrieve all the Form Parameter Names and their corresponding values and display them in the browser window.

- d. Write a JSP program to print the number of times a particular website is visited using the Session object.
- e. Create a web application using Java Server Pages to retrieve the Employee table (Eid, Ename, Dept, Doj, Salary) from SQL database via JDBC and display the retrieved table entries in the browser window. Also include options to insert, update and delete the database entries.
- f. Create a Web application for dynamic FAQs. The application should obtain the information to create the dynamic FAQ Web page from a database that consists of a Topics table and an FAQ table. The Topics table should have two fields—a unique integer ID for each topic (topicID) and a name for each topic (topicName). The FAQ table should have three fields—the topicID (a foreign key), a string representing the question (question) and the answer to the question (answer). When the JSP is invoked, it should read the data from the database and return a dynamically created Web page containing each question and answer, sorted by topic.

- g. Create a three-tier distributed application that displays the user interface in a browser using XHTML. The middle tier is a JSP that handles requests from the client browser and provides access to the third tier—a Cloudscape database accessed via JDBC. The JSP in this example is a survey that allows users to vote for their favorite animal. The document Survey.html contains five radio buttons (Dog, Cat, Parrot, Cow and None) and a Submit button. When the JSP receives a post request from the Survey.html document, the JSP updates the total number of votes for that animal in the database and returns a dynamically generated XHTML document containing the survey results to the client. The result should display the number of responses and vote percentage for each pet. Also display the total number of responses obtained.
- h. Create a web application using Java Server Pages to retrieve the BOOK table (bid, bname, author, isbn, price) from SQL database via JDBC and display the retrieved table entries in the browser window. Also include options to insert, update and delete the database entries.
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