

43 Lecture - CS506

Important Subjective

Certainly, here are 10 short-answer questions related to JavaServer Pages Standard Tag Library (JSTL), along with their answers:

****Question 1: What is JSTL?***

****Answer:** JSTL (JavaServer Pages Standard Tag Library) is a collection of custom tags that simplify dynamic content creation and manipulation within JavaServer Pages (JSP) by providing reusable tag-based solutions for common tasks.**

****Question 2: What is the purpose of JSTL Core Tags?***

****Answer:** JSTL Core Tags provide essential functionalities for tasks like iterating over collections, conditionally displaying content, setting variables, managing URLs, and formatting numeric and date values.**

****Question 3: How does the <c:forEach> tag work in JSTL?***

****Answer:** The <c:forEach> tag iterates over a collection and executes its body content for each element in the collection. It simplifies the process of looping through arrays, lists, and other collection-like objects.**

****Question 4: What is the function of the <c:if> tag in JSTL?***

****Answer:** The <c:if> tag evaluates a specified condition and displays its body content only if the condition is true. It enables conditional content rendering within JSP pages.**

****Question 5: How does the <c:set> tag work in JSTL?***

****Answer:**** The `<c:set>` tag is used to set values to variables within the JSP page scope. It provides a way to define or modify variables that can be accessed within the page.

****Question 6:** Explain the purpose of the `<c:url>` tag in JSTL.

****Answer:**** The `<c:url>` tag is used to generate encoded URLs for resources like servlets, JSP pages, and other web resources. It ensures proper URL encoding, making URLs suitable for various use cases.

****Question 7:** What is the role of the `<c:choose>` tag in JSTL?

****Answer:**** The `<c:choose>` tag implements conditional branching in a manner similar to a switch-case statement. It contains multiple `<c:when>` tags representing different cases and an optional `<c:otherwise>` tag for the default case.

****Question 8:** How is JSTL advantageous over scriptlets in JSP pages?

****Answer:**** JSTL promotes cleaner and more readable code by reducing the need for embedded Java code (scriptlets) within JSP pages. It separates presentation and logic, enhancing maintainability.

****Question 9:** What is the function of JSTL Formatting Tags?

****Answer:**** JSTL Formatting Tags provide capabilities to format numeric and date values according to specific patterns or locale settings, ensuring consistent and localized output.

****Question 10:** How can you include content from another resource using JSTL?

****Answer:**** The `<c:import>` or `<c:include>` tag can be used to include content from another resource, such as a JSP page or a static file, into the current JSP page. This allows for modular and reusable content inclusion.