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 dat values.
Question 3: How does the <c:foreach> tag work in JSTL?</c:foreach>
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.</c:foreach>
Question 4: What is the function of the <c:if> tag in JSTL?</c:if>

Answer: The <c:if> tag evaluates a specified condition and displays its body content only if the

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

condition is true. It enables conditional content rendering within JSP pages.

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.</c:set>
Question 6: Explain the purpose of the <c:url> tag in JSTL.</c:url>
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.</c:url>
Question 7: What is the role of the <c:choose> tag in JSTL?</c:choose>
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.</c:otherwise></c:when></c:choose>
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.</c:include></c:import>