37 Lecture - CS506

Important Subjective

Certainly, here are 10 short-answer questions related to JSP Action Elements and Scope, along with their answers:
Question 1: What are JSP Action Elements, and what is their purpose?
Answer: JSP Action Elements are special tags used in JSP pages to perform specific tasks like creating JavaBeans, setting/getting their properties, including content from other resources, and more.
Question 2: What is the role of the ` <jsp:usebean>` action element?</jsp:usebean>
Answer:` <jsp:usebean>` is used to instantiate a JavaBean or retrieve an existing instance from a particular scope.</jsp:usebean>
Question 3: Explain the purpose of ` <jsp:setproperty>` and `<jsp:getproperty>`.</jsp:getproperty></jsp:setproperty>
Answer:` <jsp:setproperty>` sets values for JavaBean properties, and `<jsp:getproperty>` retrieves and displays JavaBean property values in JSP.</jsp:getproperty></jsp:setproperty>
Question 4: What is the difference between page scope and request scope in JSP?
Answer: Page scope is limited to a single JSP page, while request scope lasts for the duration of a single client request and its included resources.
Question 5: What happens to a JavaBean declared using ` <jsp:usebean>` if it already exists in the specified scope?</jsp:usebean>

Answer: If the JavaBean already exists, ` <jsp:usebean>` retrieves the existing instance from the</jsp:usebean>
<mark>scope.</mark>
Question 6: What is the significance of the session scope in JSP?
Answer: The session scope retains data across multiple requests from the same user until their
<mark>session ends.</mark>
Question 7: How does the ` <jsp:include>` action element work?</jsp:include>
Answer:` <jsp:include>` is used to include the content of another resource, such as a JSP or</jsp:include>
HTML file, within the current JSP page.
Question 8: Explain the purpose of the ` <jsp:forward>` action element.</jsp:forward>
Answer:` <jsp:forward>` redirects the user's request to another resource, such as a JSP or servlet.</jsp:forward>
Question 9: How can you remove a JavaBean from a scope using JSP?
Answer: The ` <jsp:removebean>` action element removes a JavaBean from its scope, making it</jsp:removebean>
eligible for garbage collection.
Question 10: What is the application scope in JSP?
Answer: The application scope is shared among all users of an application and holds data that
remains accessible throughout the application's lifecycle.