

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?

Answer: `<jsp:useBean>` is used to instantiate a JavaBean or retrieve an existing instance from a particular scope.

Question 3: Explain the purpose of `<jsp:setProperty>` and `<jsp:getProperty>`.

Answer: `<jsp:setProperty>` sets values for JavaBean properties, and `<jsp:getProperty>` retrieves and displays JavaBean property values in JSP.

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?

****Answer:**** If the JavaBean already exists, `<jsp:useBean>` retrieves the existing instance from the scope.

****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 session ends.

****Question 7:**** How does the `<jsp:include>` action element work?

****Answer:**** `<jsp:include>` is used to include the content of another resource, such as a JSP or HTML file, within the current JSP page.

****Question 8:**** Explain the purpose of the `<jsp:forward>` action element.

****Answer:**** `<jsp:forward>` redirects the user's request to another resource, such as a JSP or servlet.

****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 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.