

38 Lecture - CS506

Important Mcqs

Sure, here are 10 multiple-choice questions (MCQs) related to JSP Custom Tags along with their solutions and options:

****Question 1:** What is the purpose of JSP Custom Tags?**

****Options:****

- A) To define the structure and layout of a web page.
- B) To create custom HTTP request methods.
- C) To encapsulate Java code and logic for reuse in JSP pages.
- D) To style web pages using CSS.

****Solution:** C) To encapsulate Java code and logic for reuse in JSP pages.**

****Question 2:** Which tag library is commonly used for JSP Custom Tags?**

****Options:****

- A) HTML Tags
- B) Java Tags
- C) JSTL (JavaServer Pages Standard Tag Library)
- D) XML Tags

****Solution:** C) JSTL (JavaServer Pages Standard Tag Library)**

****Question 3:** How do JSP Custom Tags differ from scriptlets?**

****Options:****

- A) Custom Tags are used for defining variables, while scriptlets are used for conditional statements.

B) Custom Tags are a way to include external libraries, while scriptlets contain Java code directly within JSP pages.

C) Custom Tags promote modularity by encapsulating Java code, while scriptlets mix Java code directly within the JSP page.

D) Custom Tags are only used for styling, while scriptlets handle data processing.

****Solution:** C) Custom Tags promote modularity by encapsulating Java code, while scriptlets mix Java code directly within the JSP page.**

****Question 4:** Which JSP directive is used to declare a custom tag library in a JSP page?**

****Options:****

A) ``<jsp:taglib>``

B) ``<custom:library>``

C) ``<taglib:declare>``

D) ``<% @ taglib %>``

****Solution:** D) ``<% @ taglib %>``**

****Question 5:** What is the advantage of using JSP Custom Tags over scriptlets?**

****Options:****

A) Custom Tags are easier to write than scriptlets.

B) Custom Tags allow for better separation of concerns and code reusability.

C) Scriptlets are faster in terms of performance.

D) Custom Tags can only be used for styling purposes.

****Solution:** B) Custom Tags allow for better separation of concerns and code reusability.**

****Question 6:** How are JSP Custom Tags processed at runtime?**

****Options:****

A) They are translated into Java code and compiled before runtime.

- B) They are directly executed as scripting elements.
- C) They are parsed by the browser on the client side.
- D) They are processed by the JSP container and generate corresponding Java code.

****Solution:** D) They are processed by the JSP container and generate corresponding Java code.**

****Question 7:** What is the role of a Tag Handler class in JSP Custom Tags?**

****Options:****

- A) It defines the layout and structure of the web page.
- B) It processes the tag's logic and generates content to be included in the JSP page.
- C) It handles HTTP requests and responses.
- D) It defines the visual style of the custom tag.

****Solution:** B) It processes the tag's logic and generates content to be included in the JSP page.**

****Question 8:** Which of the following is true about the BodyTag interface in JSP Custom Tag development?**

****Options:****

- A) It is responsible for defining tag attributes.
- B) It is used for creating simple tags without body content.
- C) It provides methods to process tag body content.
- D) It is used to define custom tag libraries.

****Solution:** C) It provides methods to process tag body content.**

****Question 9:** What is the correct syntax for using a JSP Custom Tag in a JSP page?**

****Options:****

- A) ``<custom:tag-name>``
- B) ``<tag:custom-name>``

C) ``<mytag:custom-name>``

D) ``<my:tag-name>``

****Solution:**** C) ``<mytag:custom-name>``

****Question 10:**** Which JSP element is used to invoke a custom tag in a JSP page?

****Options:****

A) ``<jsp:invoke>``

B) ``<invoke-tag>``

C) ``<custom:invoke>``

D) ``<mytag:custom-name>``

****Solution:**** D) ``<mytag:custom-name>``