34 Lecture - CS506

Important Mcqs

Certainly, here are 10 multiple-choice questions (MCQs) related to JavaServer Pages (JSP), along with their solutions and multiple options:

Question 1: What is JavaServer Pages (JSP)?

- **Options:**
- A) A programming language
- B) A web server
- C) A markup language
- D) A technology for creating dynamic web pages

Solution: D) A technology for creating dynamic web pages

******Question 2:** Which technology is often used in combination with JSP for creating dynamic web applications?

- **Options:**
- A) JavaScript
- B) CSS
- C) HTML
- D) Java Servlets

Solution: D) Java Servlets

Question 3: What is the file extension for a JavaServer Pages file?

Options:

- A) .jspf
- B) .jsp
- C) .java
- D) .js

Solution: B) .jsp

****Question 4:** How does JSP differ from servlets?**

Options:

- A) JSP is only used for client-side scripting.
- B) Servlets are text-based templates for web pages.
- C) JSP allows embedding Java code in HTML.
- D) Servlets do not support database interactions.

Solution: C) JSP allows embedding Java code in HTML.

******Question 5:** Which JSP element is used to write Java code in JSP pages?

- **Options:**
- A) `<java>`
- B) `<script>`
- C)`<% %>`
- D) `<code>`

Solution: C) `<% %>`

****Question 6:** What is the purpose of JSP directives?**

Options:

- A) They define the appearance of web pages.
- B) They control the flow of program execution.
- C) They import Java classes into the JSP page.
- D) They create forms for user input.

Solution: C) They import Java classes into the JSP page.

****Question 7:** What is the significance of the JSP expression language?**

Options:

- A) It allows for server-side scripting in JSP.
- B) It simplifies the embedding of Java code in HTML.
- C) It enforces strict separation of HTML and Java.
- D) It defines the layout of JSP pages.

Solution: B) It simplifies the embedding of Java code in HTML.

****Question 8:** How is JSP translated and executed by the server?**

Options:

- A) JSP is translated into Java bytecode and executed by the client.
- B) JSP is translated into servlet code and executed by the server.
- C) JSP is translated into HTML and executed by the client.
- D) JSP is translated into JavaScript and executed by the client.

****Question 9:**** Which JSP tag is used to declare variables?

Options:

- A) `<define>`
- B) `<set>`
- C) `<var>`
- D) `<declare>`

Solution: C) `<var>`

****Question 10:** How does JSP contribute to MVC (Model-View-Controller) architecture?**

Options:

- A) JSP handles data manipulation.
- B) JSP focuses on user interface design.
- C) JSP represents the controller.
- D) JSP defines business logic.

Solution: B) JSP focuses on user interface design.