26 Lecture - CS506

Important Mcqs

Absolutely, here are 10 multiple-choice questions (MCQs) related to Java Servlets along with their solutions and multiple options:

Question 1: What is a Java Servlet?

Options:

A) A type of coffee

B) A server-side Java program

C) A front-end web technology

D) A JavaScript library

==**Solution:** B) A server-side Java program==

Question 2: Which interface must a Java class implement to create a servlet?

Options:

A) HttpServlet

B) Servlet

C) ServletInterface

D) ServletClass

==**Solution:** B) Servlet==

Question 3: Which HTTP method is used by a servlet to handle a GET request?

Options:

A) GET

B) POST

C) REQUEST

D) PUT

Question 4: What is the purpose of the `init()` method in a servlet?

Options:

A) To initialize database connections

B) To handle GET requests

C) To create a new instance of the servlet

D) To load servlet configuration parameters

Question 5: Which servlet method is called after the `service()` method to clean up resources?

Options:

A) cleanup()

B) destroy()

C) close()

D) end()

Solution: B) destroy()

Question 6: How are parameters typically passed to a servlet?

Options:

A) Through the URL query string

B) Through the request body

C) Through the servlet configuration

D) Through the session attributes

Question 7: Which of the following is used to send a redirect response from a servlet?

Options:

A) `sendRedirect()`

B) `forward()`

C) `redirect()`

D) `location()`

Question 8: What does the `doGet()` method of `HttpServlet` class handle?

Options:

A) POST requests

B) GET requests

C) PUT requests

D) DELETE requests

Question 9: Which object represents the client's request in a servlet?

Options:

A) `HttpServlet`

B) `ServletConfig`

C) `HttpServletRequest`

D) `ServletResponse`

Solution: C) `HttpServletRequest`

Question 10: What is the purpose of the `web.xml` deployment descriptor in servlets?

Options:

A) To define the servlet's source code

B) To store servlet data in XML format

C) To configure servlet mappings and parameters

D) To define the client's request URL

Solution: C) To configure servlet mappings and parameters