Introduction to Servlets Quiz

1. What is the difference between a web server and a web container?

A web server is a server which is capable of handling HTTP requests, sent by a client and respond back with a HTTP response. On the other hand, a web container is something used to manage web components like Servlets, JSP. It is a part of the web server.

1. What is a servlet?

A servlet is a Java class that extends the capabilities of servers that host applications access by means of a request-response programming model.

1. How do web servers and web containers interact with servlets?

When the web client (browser) sends a request to the server, the web container translates that request into a servlet request and pass it to the servlet. The servlet processes the request and replies back with a response. The container picks up the servlet response and translate that into web language response (HTML).

1. Who creates request objects?

The web container.

1. What are the states in the servlet lifecycle?

init(), service(), and destroy().

1. Who calls init and when?

The web container.

1. Which of init, service, and doGet should you override?

doGet.

1. In what sense are servlets multi-threaded?

Servlets are intrinsically multithreaded. A single instance can be accessed by more than one thread.

1. What are the implications of this for servlet instance variables?

All threads share instance variables. Each thread has own stack for local variables.