**Introduction to Servlets Quiz**

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

* Web server is a server which is can handle HTTP requests and return the HTTP response.
* Web container is used to manage the components like Servlets, JSP,…

1. **What is a servlet?**

* A servlet is server-side java code that can handle http requests and return dynamic content.

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

* When a request comes to the web server, if the server sees the request is for a servlet, it passes the request data to the servlet container.
* The servlet container locates the servlet, creates HttpServletRequest and HttpServletResponse objects and passes them to the servlet, and returns to the web server the response stream that the servlet produces.

1. **Who creates request objects?**

Browser

1. **What are the states in the servlet lifecycle?**

Load, Create, Init, Service, Destroy.

1. **Who calls init and when?**

Servlet container calls init once time, after load servlet class and instantiate servlet.

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

doGet

1. **In what sense are servlets multi-threaded?**

When Servlet container calls service() of servlet to handle request, each request runs in a separate thread.

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

have only one instance of servlet.