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

Web server serves static content – files, images, pdfs, videos, exactly as they are on the server machine. And Web container acts as a web server, which creates threads for handling the multiple requests to servlet.

1. **What is a servlet?**

Servlet is a technology which is used to create a web application. Which is an API that provides many interfaces and classes including documentation. Servlet is a web component that is deployed on the server to create a dynamic web page.

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

Servers that support servlets have as a helper app a servlet container.

• 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 request and response objects and passes them to the servlet, and returns to the web server the response stream that the servlet produces.

• The web server sends the response back to the client browser to be rendered.

1. **Who creates request objects?**

Container receives new request for a servlet, then container creates HttpServletRequest object.

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

Load, instantiate, Init, Service, destroy

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

Servlet container calls the init() method once in the servlet’s life, before the servlet can receive any requests.

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

We should override init() and doGet method.

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

In the sense the servlet container will automatically have multiple threads are run the servlet at the same time if request comes simultaneously.

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

Same instance variable shared by multiple threads.