# Assignment: 2

1. What is a Servlet?
Explain the basics of a web application and how servlets function within Java-enabled web servers.

2. Describe the Servlet Lifecycle.
Explain the stages of a Servlet's lifecycle with the help of appropriate methods and flow.

3. Discuss the init(), service(), and destroy() methods in detail.
How do these methods work within the Servlet lifecycle? Give relevant code examples.

4. What is the Servlet API?
Describe the purpose and components of javax.servlet and javax.servlet.http packages.

5. Explain how to use Annotations in Servlets.
How does @WebServlet simplify servlet configuration? Provide examples.

6. Differentiate between ServletConfig and ServletContext.
Explain their purposes, methods, and differences using examples.

7. Describe Session Tracking in Servlets.
What is session tracking and what are the different techniques used in Java Servlets?