**16.** **ServletContext Interface and Web Application Listener**

**• Theory:**

**1.Introduction to Servlet Context and its scope:-**

**Servlet Context:**

* The Servlet Context is an interface in Java that represents the entire web application. It provides a way for servlets to communicate with each other and share data across different servlets and JSPs.

**Scope of ServletContext:**

* The scope of ServletContext is application**-**wide. It means that any data stored in ServletContext is accessible to all servlets and JSPs in the same web application, and it remains available for the entire duration of the application’s life cycle (until the server is restarted or the application is stopped).

2. How to use web application listeners for lifecycle events:-

**1.ServletContextListener**:

* Responds to application (servlet context) lifecycle events (when the web application starts and stops)

**2.HttpSessionListener**:

* Responds to session lifecycle events (when a user session is created or destroyed).

**3.ServletRequestListener**:

* Responds to request lifecycle events (when a request is received and completed).