**DAY 2**

**SERVLETS**

* Servlet Interface -> Generic Servlet -> HTTP Servlet -> Your Servlet 2  
   |

-> Your Servlet 1

* **javax.servlet** has 5 (abstract) methods as below:

1. void Init(ServletConfig)
2. void service(ServletRequest , ServletResponse )
3. destroy()
4. ServletConfig getServletConfig()
5. String getServletInfo()

* International Standard structure for java web application:

1. Your application should have WEB-INF folder
2. Servlet must be under the classes folder
3. Web.xml: Deployment descriptor to help tomcat to know the details of your app.
4. All JARs are in LIB folder

* How to operate jar
  1. Make: jar –cvf name.jar \*.class
  2. View: jar –tvf name.jar
  3. Extract: jar –xvf name.jar
* Java programs is of 3 types
  1. Application
  2. Applets
  3. Servlets
* doGet: Limited data (small size data) can be sent
  1. By default, doGet gets called
  2. Less secure
* doPost: Larger size of data can be sent
  1. Passwords are sent using post method
* Layered Architecture
  1. Database – Tables
  2. POJOs – entities – Plain Old Java objects
  3. Data Access Object - Repositories
  4. Business Service – Business Logic
  5. Controller - Servlets
  6. UI – Angular / react/ JSP
* conn /as sysdba  
  alter user system identified by tiger;