**JFSD: A-Z of Back-end and Database Development**

**Day 10 : 11 Aug 24**

Creating Servlet app with JDBC using maven project with SignIn and SignUp functionality

Please connect mysql database using command prompt or workbench

create database my\_db;

use my\_db;

create table login(emailid varchar(30) primary key,password varchar(30));

Now we create dynamic web project

Sharing the data between one servlet to another servlet

1. Using request object.

In source server use request.setAttribute(“key”,value);

Value can be int, float, string, any java bean class object.

In target servlet

Object obj = request.getAttribute(“key”);

String emailid = (String)obj;

Limitation of Servlet Program

1. Servlet is Normal java program if we do any changes we need to re-compile and re-deploy the application once again.
2. Servlet is complex. If we want to display simple message using servlet. We need to create class and that class implements or extends type of servlet, then we need to override pre defined methods as doGet or doPost. Then we need to create PrintWriter class object and provide servlet details using web.xml file or using annotation.
3. If we want to write any html code inside a servlet we need to write pw.println(“”); it is consider as string. So IDE doesn’t provide any help to write html code.

JSP : Java Server pages. JSP is tag base server side scripting language which help to create web pages.

JSP tags

1. Scripting tag
   1. Scriptlet

<%

Java code or the code which we generally write inside a doGet or doPost

System.out.println(“Welcome to JS”); // console

out.println(“Welcome to JSP”); // browser

%>

* 1. Declarative tag

<!%

Variable declaration (instance variable)

%>

* 1. Expression tag

<%=expression %>

1. Implicit object
   1. out : this out is a type of implicit object which is equal to PrintWriter class reference.
   2. request : it is equal to HttpServletReqeust object.
   3. response : it is equal to HttpServletReponse object
2. Directive tags
3. Action tags
   1. Jsp include
   2. Jsp forward
4. Jstl tag