DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SUBJECT CODE: 19CS2107
ENTERPRISE PROGRAMMING WORKBOOK

JSP(Java Server Pages) #6

Date of the Session: ___/___/___   Time of the Session: _____to_____

Prerequisite:
☐ **Knowledge of JSP.**
☐ **Basic SQL commands to perform 'CRUDs' operations**

Pre-Lab Task:

1. Clarify in detail each phase of JSP lifecycle.

Translation of JSP Page to servlet.
This is first step of JSP life cycle. This translation Phase Deals with Syntactic Correctness of JSP. Here test.JSP file is translated to test.Java

Compilation of JSP Page :
Here Generated Java Servlet file (test-Java) is compiled to a class file.

classloading : Servlet class which has been loaded into Container

instantation : Here instance of class is Generated. The Container manages one/more instance by Providing response to request.

Instalization : JSP init () method is Called only once during the lifecycle immediately after Generation of Servlet & JSP instance from JSP.

Req. Processing : JSP service() method is used to Serve raised requests by JSP. It takes req and response dyed as Parameters. This method can't be overriden

2. Print Current date and time on the screen utilizing JSP.

```jsp
<% @ Page import = "java.util.*, java.io.* %>

<%
    Date d = new Date();
    out.Println(d.toString());
%>
```

In Lab Task:

1. Julie needs to set up a startup. Make Registration for web based shopping entrance made by her. Make an enrolment page where users can create an account for themselves.

```
Register.html:
<! DOCTYPE html>.
<html>
    <head>
            < meta) Charset = "ISO-8859-1">.
                <title> Enrollment </title>
    </head>
    <body Style = "text-allign: center;">.
        <h1 Style = "text align: center;"> EVENT=0 <h1)

        <ul>
            <li Style =" display: inline;"><a href z"login.html "> login </a X/li>
            <li style="display:inline;"> <a href = "register.html > Register.
                                    html:> Register</a X /li>.
    </ul>.
    <form name ="f" method: "Post" action = 'register.JsP">
    <input type ="text" name ="username" Placeholder= "username"> <br X<br>
    <input type = "Password' name ="Pswd" *Placeholder ="Password"><br><br>.
    <input type =" text" name = "fullname" Placeholder = "fullname"><br><br>
    <input type =" text" name =" email " Placeholder = "email> <br><br)
    <input type ="text" name =" Phno" Placeholder.= "Mobileno" ><br X br>
    <button type = "Submit" >Submit </button>

    </form>
</body>
</html>.
```

Writing space for the Problem:(For Student's use only)

Register.jsp :

```
<%@ Page language = "Java" import = " Java;Sql", * "%>

<%
    String uname = (String)request.getParameter("username");
    String Pwd = (String)request.getParameter("Pwd");
    String fullname = (String)request.getParameter("fullname");
    String email = (String)request.getParameter("email");
    String mobileno = (String)request.getParameter("Phno");
%>

<%
    try {
        Connection Con =null;
        class forName ("oracle jdbc.driver.oracle Driver");
        System out
        Connection Con= Drives manager.get Connection (jdbc: oracle:
                                            this:@ localhost 1521:ne","
                                                System","root");

Prepared Statement PS= Con . Prepared Statement (insert into
                                                registration value
                                                (?????) );

PS.Set String (1, name);
PS.Set String (2, email);
PS . Set String (3, Pass);
int X = PS execute update ();
    if (x!=0).
        {
        out . Print ln ("created");
        }
    else
        {
        out.Print (" Something wrong");
        } catch (Exception e) { out .Print (c) };
```

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```
else {
out.println (" wrong Password");
}
%>

<body>
</html>.
```

Post Lab Task

1. From previous problem, after client registers, demonstrate a login page where client can login just on the off chance that he submits right certifications.

Writing space for the Problem:(For Student's use only)

login.html +

```
<!DOC type htmL>
<htmL>
<head>
<meta charset = "ISO-8859-1">
<title>login</title>
</head>
<body>
<form action = "login JSP" Method = "POST">
Email: <input type= "text" name = "email" placeholder ="Email ID"/>
<lbr>
<br>
Password: <input type = "Password" name = "pwd" placeholder=
                                       "password"/>

<lbr>
</form>
</body>
</htmL>
if (check-mail.equals (check-email))
    {
      key=1;
      break; }
    }.
if (key==1 && flag ==1){
```

```jsp
login . JSP :

<%@ Page import = "java.sql.*" %>
<%@ Page import = "java.sql.*" %>
<%
    String email = request.getParameter("email"),
    String pwd = request.getParameter("Pwd");
    class for Name ("oracle.jdbc.driver.oracle Driver");
    Connection con = Driver Manager.get Connection ("jdbc:oracle:thin @ localhost
    :tc",
    "System", "root");

    Statement st = con.create Statement ()
    Result Set res = st.execute Query ("select * from registration")
    res.next();
    int flag=2, key=2.
    while (res.next())
    {
        String check-Pass = request.get Parameter("Pwd");
        String check-Pass = res.get String (3);
        if (check-Pass 1.equals (check - pass ) ).
        {
            flag=1;
            break;
        }
    }
    Result Set res1=st.executi Query ("Select * from registration");
    while (res1.next())
    {
        String check-email = req.get Parameter ("email");
        String check-email = req1.get String (2);
    }
```