Mayur Gorane Assignment 1 48 TE (A)

Problem Statement Installation of Tome AT Server & or gill to configuration of it was facilitates you to comb suppossing elem

Theory - Concept web application. It runs over the internet web application contains 5 components

- 1. HIIP Server eg. Google web server, Apache TOMCAT Apache HTTP server, etc.
- 2. HITP client (web browser) Firefox, google chrome, etc
- 5. Database Mysal , squite , oracle, etc.
- 4. Client side programs It can be worthen in HTML FORM Javascript, etc.
- 5. Server Side programs Could be written in Javasenpt Servet JSP, PHP, Python, etc.

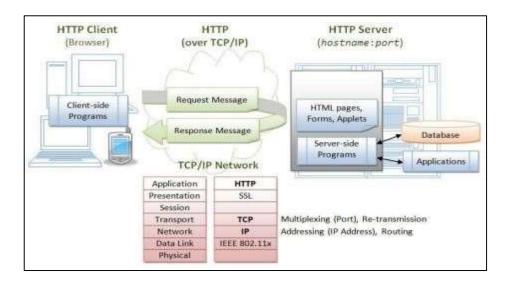
Apache TOMENT - It is an open source project, under the Apache software foundation.

Execution steps-

- 1. Goto http://tomcat.apache.org
- 2. Select tomcat version
- 3. Download & run exe file
- 4. Use default setting provide a password you will remember.

How to sun tomCAT -

1. Find the start program in programs menu look under Apache tomcat & select start TOMCAT'



FROM NO /	2	7
DATE	11	1

	PRODE NO 2 UATE / /
	Market Ma
	Now you will see TOMEAT HOMEPAGE.
-	What is servlet container life cycle? A servlet lifecycle consist of series of events which defines how the servlet is loaded & instantiated, initialized, how it handles request from client & how is taken of service.
Q-	what service are provided by TOMCAT 2 MILL
-,	
	2. Handle Web Requests political sep stressed Jisti
	3. Database connection pooling
01 N	4) Clustering, uppt Hall palgall tonob research.
	5. High availability apag so trades out rabras
Q.	Explain directory structures of TOMCAT 9-16-1200 383
-	in him directory . contains binaries & scripts
L po	2- cont- It contains systemwide configuration files;
	such as server xm, web xm
	3. webapps - contains webapps to be deployed
	4. lib - Contains TomcATS system voice instally
	accessible by all webapps
	3: load - contains TOMCAT'S log tiles
	6. work- Tomcats working directions used by
	to servlet conversion
	2 1294 7 3 1331 - 3
	Conclusion - Hence we have learned how to install
	8 configure Tomas Solves
	4. User Independ .

| PROB HO | 3 | | |

Mayur Gorane

Assignment 2

Title - HTML, CSS, XML

Problem Statement - Write a program to design registration form for students by using HTML & CSS.

Theory.

HIML- It is markup language for creating webpage

HTML - Hypertext Markup Language

HIML elements are building blocks of HIML pages

HTML elements are represented by a tag

Browsers donot display HIML tags, but use them to render the content of page.

It handles feel & look part of a web page. By css, and can control color of text, styles of fonts, spacing between paragraphs, layout designs.

- css Modules 1. Box Model
 - 2. Selectors
 - 3. Background
 - 4. Border
 - 5. Image values & Replaced content.
 - 6. Text Effects
 - 1. Animations
 - 8. 20/30 transformations
 - 9. User Interface.

	FROM THE TOTAL PROPERTY OF THE PARTY OF THE
with	TO THE PARTY OF TH
	Technology/Tool
	1. The { DOCTYPE html > declaration defines - this doc to be HIMLS
	2. The (HTML) element is not element of HTML page.
	3. The sheads element contains meta Information about doc.
distal	4. Ktitle > specifies the title
70	5: (body) element contains visible page content.
	parts I work to the book and
	CSS can be added in three ways to HIML page:
	1. Inline-By using style attribute in HTML element:
A(D)	2. Internal - By using (style) element in header section
(correct)	3: External - By using seperate css file & link to html
	file in head.
	There are 3 important characteristics of Xetter-Hook
	Conclusion: Hence we have designed static webpages
177013	25 DOL SEN USING HIML BUCSSINX - SIGNEDANS JAX 1
	safe descriptive tags or language the
	The restantion such ding
2000all	2" XML camer the data, does not present it - xmL
210	you to store date irrespective of
Visit	- Polyaged ad the all and the

Program and Code:

Registration.html

<html>

<head>

<title>regform</title>

<link href="samp.css" rel="stylesheet"></link>

</head>

<body>

<div class="con">

<form action="display.html" method="get" class="con2">

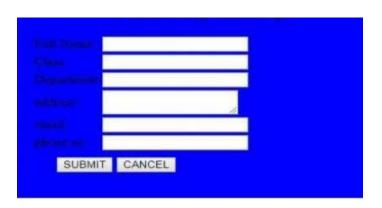
<imgsrc="D:/handshake.jpg" width=380px height=100px>

</div>

<div class="main">

```
<b><br>Welcome to Registration
Page<br>
<div class="con1">
Full Name:
<input type="text" value=""></input>
Class
<input type="text" value=""></input>
Department
<input type="text" value=""></input>
address: ta>="3"
column="2"></textarea>
email:
<input type="text" value=""></input>
phone:
<input type="text" value=""></input>
<input type="submit" value="SUBMIT">
<input type="reset" value="CANCEL">
```

```
</div>
         </div>
         </div>
         </body>
         </html> samp.css
           .con
          {
          width:400px; height:400px; background-color:blue;
          color:blue;
          padding:0px 10px 0px 10px; margin:auto;
          }
           .main
          {
          width:400px; height:80px; float:left;
          padding:60px 10px 10px10px; margin: auto;
          }
           .con1
          {
          width:200px; height:30px; float:left;
          margin:auto; padding:0px 0px 0px0px;
          }
.con2
 {
width:150px;
 height:30px; float:left;
 margin:10px 10px 10px10px; padding:0px 0px
 0рх0рх;
}
 Display.css
 <html>
 <head>
 <title> display</title>
 </head>
 <body>
</html>
```



Mayor Gorane Assignment 3 Problem Statement - Write a program to design a book catalog by using xyll & css to display title autror price & year of the book Cas can be added in that work to HIME Theory - 1974 or street on spite proper parameter XML stands for Extensible Markup language It is nothing but text based markup language which is derived from Saml There are 3 important characteristics of XML that make it useful in variety of systems & solutions 1. XML extensible - xml allows you to use yours own self descriptive tags or language that ouits your application 2. XML cames the data, does not present it - XML allows you to store data irrespective of How it will be presented. Design / Execution stomps -Following steps are used to create & execute web app" I write XML code & save with XML extensions 2. waite CSS code . 5. Import css file in XML page. 4. Open XML page in browser. conclusion. Hence we have designed static web pages using XML & CSS.

```
Program and Code:
 Book.xml
 <?xml version="1.0" encoding="UTF-8"?> <?xml-stylesheet type="text/css"
 href="book_catalog.css"?> <CATALOG>
 <BOOK>
 <TITLE>Database Management System</TITLE>
 <AUTHOR>Korth</AUTHOR>
 <PRICE>500</PRICE>
         </BOOK>
         <BOOK>
         <TITLE>Computer Network</TITLE>
         <AUTHOR>Tenenbaum</AUTHOR>
         <PRICE>600</PRICE>
         <YEAR>1985</YEAR>
         </BOOK>
         <BOOK>
         <TITLE>Software Engineering and project Management</TITLE>
         <AUTHOR>Roger Pressman</AUTHOR>
         <PRICE>600</PRICE>
         <YEAR>1985</YEAR>
         </BOOK>
        </CATALOG>
```

book_catalog.css

}

AUTHOR {

```
BOOK {
Display: block; margin-left:0;
magin-bottom: 30pt;
}
CATALOG {
Width:100%; background-color: #ffffff;
}
TITLE {
Color: ff0000; display: block;
font-size: 20pt;
```

```
display: block; color:
          #0000ff; font-size: 20pt;
        }
        YEAR, PRICE {
           Color:#00000;
           Display: block;
           Margin-left: 20pt;
}
  Database Management System
   Korth
     500
      1985
   Computer Network
   Tenenbaum
     600
      1985
   Software Engineering and project Management
   Roger Pressman
```

FROST NO. 6.

Assignment 4

Mayur Gorone 48 TE (A)

Title - HIML & Javascript

Froblem Statement - Write a program to design registration form for students by using HTML, CSS & Javascript & perform following validations all fields mandatory phone number & small address validation.

Theory - Javascript is a programming language of html as well as web. Its preferred for creating Network centric applications. It integrated & complimentary with Java.

Advantage of using Javascript are-

- 1. It requires a less server interaction
 - 2. Immediate feedback to visitors
 - s. Increased interactivity
 - 4. Richer interfaces

and submit button from validation is done at server side if data entered by a client is incorrect or missing server needs to send all data back to client & request for resubmission of form with correct information

Design & execution steps:

- I write on tITML code in notepad with HTML extension
- 2- write function for validation of email id & phone no & enclosed this function in scient.
- 3. Call this fundion on 'ondick' event of submit button.
- 4 open html page in browser.

```
<html>
<head>
<title>regform</title>
knk href="samp.css" rel="stylesheet"></link>
<script type="text/javascript"> function

Validation()

{

varemailID = document.myForm.EMail.value;

varnum=document.myForm.ph.value; atpos =
```

```
emailID.indexOf("@"); dotpos = emailID.lastIndexOf(".");
if (atpos< 1 || ( dotpos - atpos< 2 ))
{ alert("Please enter correct email ID")
document.myForm.EMail.focus(); return
false;
} else if (isNaN(num)){
document.getElementById("ph");
alert("Please enter numeric only.") return
false; }else{ return true;
}
}
</script>
</head>
<body>
<div class="con">
<form name="myForm" action="display.xml" method="get" align="center">
<div class="con2">
<imgsrc="D:/handshake.jpg" width=380px height=100px></img>
</div>
<div class="main">
<b><br>Welcome to Registration
Page<br> 
<div class="con1">
<input type="submit" value="SUBMIT" onclick="return
(Validation());">
<input type="reset" value="CANCEL">
</div>
</div>
</form>
```

</div>

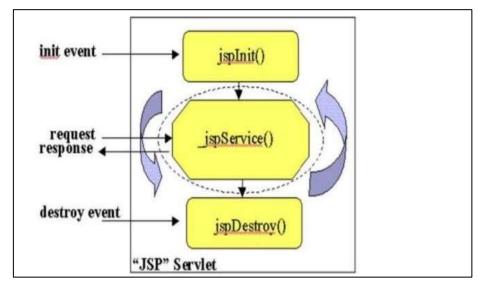
</body>

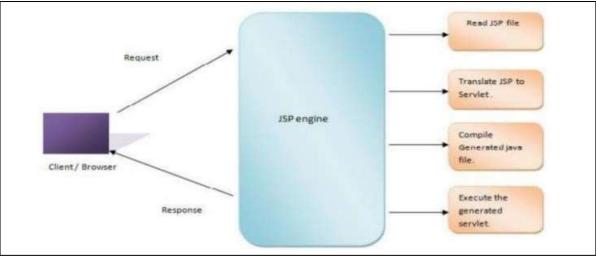
</html>

Output:



	LONGE MIN / 8 /
	Assignment 5 Mayur Gorane 48 TE(A)
100	Title - JSP, Servlet & MYSQL (Backend).
	Problem Statement - 1. Design & build login page using JSP, serviet & Mysal 2. Design & Build employee login page using JSP, serviet & Mysal
	Theory- Java Server pages - It is a server side programming technology that is used to create dynamic - webbased app" JSP have right to use compute JAVA APIS, Including JDBC API to access database.
-50 41	Why we need Jsp. Jsp is used for design dynamic web page & servled is used to code logic that is present.
	Architecture of JSP. 1. The request lassponse port of a JSP is defined in below earch. 1. The client initiate acquest using for JSP file using browser. 3. WebServer invokes JSP file & interpret JSP file produce a java code. 4. One servlet is created JSP engine compiles servlet. 5. Now servlet classes is loaded by container & executes it for engine send acsponse back to client.
	Syntax of JSP (1. text 1.)







Design & Execution steps :

- 1 Design HIML & JSP files with an extension on HIML 4 JSP.
- 2. Write database connection page using servlet.
- 3. Set Mysql, usemame, password & database name in database connection page.
- 4. Start TOMCAT server with post Number.
- 5. Open browser & type localhost 8084

Conclusion

Hence we have performed dynamic web apprusing

JSP, servlet & Mysal.

what is JSP?

Javaserrer pages technology enables you to mix regular static HTML with dynamically generated confent.

what is servlet?

A server's functionality

what is the purpose of Mysql?

squis used to communicate with a da-labase.

Program and Code:

Following pages required to run this application:

```
1. index.jsp
2. SignUp.jsp
3. User.jsp
4. LoginSuccess.jsp
5. LoginFailure.jsp
6. LoginServlet.jsp
7. Login.jsp
// index.jsp
<%--
Document: Login
Created on: Dec 31, 2017, 2:07:34 PM
Author: Admin -- %>
<%@page contentType="text/html" pageEncoding="UTF-
8"%> <!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF- 8"> <title> Login
</title>
</head>
        <body>
         td> <font color="#339900" size="3.5">User
Login</font>  
        <form id="user1" method="post" action="User.jsp" name="s"</pre>
        onSubmit="return valid()">
        User Id
        <input type="text" name="user1">
```

```
Password
  <input type="password" name="pass">
  <center><input type="submit" name="user"
 value="Login"></center> 
  <center> 
  <a href="SignUp.jsp"><font color="#000000" size="2"><b>New
 User?</b></font></a>
  </center>
  </form>
  </body>
 </html>
 //SignUp.jsp
  <%@ page import="java.sql.*"%>
 <%@ page import =
"java.util.Date,java.text.SimpleDateFormat,java.text.ParseException"%
 > < %-- Document : SignUp
 Created on: Dec 30, 2017, 11:52:03 PM
 Author: Admin
  --%>
 <%@page contentType="text/html" pageEncoding="UTF-
 8"%> <!DOCTYPE html>
  <html>
  <head>
 <meta http-equiv="Content-Type" content="text/html; charset=UTF- 8"> <title>JSP
 Page</title>
```

```
</head>
              <body bgcolor="Skyblue">
              <%
  java.util.Date now = new java.util.Date();
  String DATE FORMAT1 = "dd/MM/yyyy";
  SimpleDateFormat sdfl = new
  SimpleDateFormat(DATE_FORMAT1);
  String strDateNew1 = sdf1.format(now);
  \frac{9}{6} >
  <tr>
  <strong><em><font color="#990000" size="+1" face="Times New
  Roman" style="text-decoration:underline">User
  Registration</font></em></strong> 
  \leq tr \geq
  <17>
  form name="s" action="LoginServelt.jsp" method="get"
  onSubmit="return
  valid()">
"cellspacing="6" cellspacing="6" cellspacin
   \leqtr\geq
  <font face="Times New Roman"
  size="+1"><strong>Name</strong></font>&nbsp;&n
  bsp;   <input type="text" name="unn"
  class="b">
  <font face="Times New Roman" size="+1"><strong>User
  ID</strong></font>&nbsp;&nbsp;&nbsp;&nbsp;
  "input type="text" name="uidd" id="name">
  <\eta>
              </body>
              </html>
              //LoginSuccess.jsp
              <%--
              Document: LoginSuccess
              Created on: Dec 31, 2017, 2:40:04 PM
```

```
Author: Admin
--%>
<%@page contentType="text/html" pageEncoding="UTF-</pre>
8"%> <!DOCTYPE html>
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF- 8"> <title>JSP
Page</title>
</head>
<body>
<h1> User Logged In Successfully!...</h1>
</body>
</html>
//LoginFailure.jsp
<%--
Document: LoginFailure
Created on: Dec 31, 2017, 2:42:21 PM
Author: Admin
--%>
<%@page contentType="text/html" pageEncoding="UTF-
8"%> <!DOCTYPE html>
<html>
<meta http-equiv="Content-Type" content="text/html; charset=UTF- 8"> <title>JSP
Page</title>
</head>
<body>
    <h1> <font color="Red"> Please Provide Correct Username or Password!..Retry
Again!.. </font> </h1>
<form id="user1" method="post" action="User.jsp" name="s"</pre>
onSubmit="return valid()">
User Id
<input type="text" name="user1">
```

```
Password
<input type="password" name="pass">
<input type="submit" name="user" value="Login">
 </form>
</body>
</html>
//LoginServlet.jsp
<%@page import="java.sql.*"%>
<%@ page import="java.io.*"%>
<%@ page import =
"java.util.Date,java.text.SimpleDateFormat,java.text.ParseExcep
tion"%><%
String a = request.getParameter("uidd");
String x = request.getParameter("unn");
String b = request.getParameter("passs");
String c = request.getParameter("mobb"); String
d = request.getParameter("eidd");
session.setAttribute("d",d);
//String f=request.getParameter("date");
//out.print(strDateNew1);
//out.print(x);
//out.print(b);
//out.print(c);
//out.print(d);
//out.print(f);
java.util.Date now = new java.util.Date();
```

```
String DATE_FORMAT = "yyyy-MM-dd";
SimpleDateFormat sdf = new SimpleDateFormat(DATE FORMAT);
String strDateNew = sdf.format(now);
//response.sendRedirect("signup.jsp?message=success");
//String userid=null; //String m="avl";
try
{
Class.forName("com.mysql.jdbc.Driver");
Connection con =
DriverManager.getConnection("jdbc:mysql://localhost:3306/loginpag e","root","root");
PreparedStatement ps=con.prepareStatement("insert into
student(sname,suserid,spass,mobile,email,date)
values(?,?,?,?,"+strDateNew+"')"); //ResultSet
rs=ps.executeQuery(); ps.setString(1,x); ps.setString(2,a);
ps.setString(3,b); ps.setString(4,c); ps.setString(5,d);
ps.executeUpdate(); response.sendRedirect("SignUp.jsp?success");
} catch(Exception e1)
{ out.println(e1.getMessage());
response.sendRedirect("SignUp.jsp?Failure");%>
}
%>
//User.jsp
<%@ page import="java.sql.*;"%>
<%
String a=request.getParameter("user1");
String b=request.getParameter("pass");
String id=null,name=null,userid=null,email=null; try{
Class.forName("com.mysql.jdbc.Driver");
Connection con =
```

```
DriverManager.getConnection("jdbc:mysql://localhost:3306/loginpag e","root","root");
//Connection con = databasecon.getconnection();

PreparedStatement ps=con.prepareStatement("select sid,sname,suserid,email fromstudent wheresuserid=""+a+"" && spass=""+b+""");

ResultSet rs=ps.executeQuery();

if(rs.next())
{ id=rs.getString("sid"); name=rs.getString("sname"); userid=rs.getString("suserid"); email=rs.getString("email"); session.setAttribute("sid",id); session.setAttribute("sname",name); session.setAttribute("suserid",userid); session.setAttribute("email",email);
//response.sendRedirect("user5.jsp"); response.sendRedirect("LoginSuccess.jsp?Success");
```

//out.print(name2);

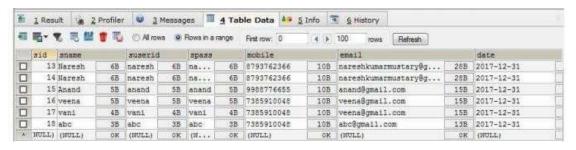
```
else

response.sendRedirect("LoginFailure.jsp?Failure");
}

catch(Exception e2){
out.println(e2.getMessage());
}
%>
```

//Database Name: loginpage

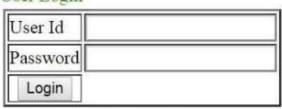
//Table Name: student



Output:

Step 1: Run index.jsp page

User Login

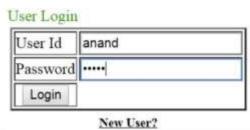


New User?

Step 2: If user is already registered then use own credentials else click New User for registration



Step 3: Once registered click Login directly



Step 4: If user gives wrong username and password, it will show error message



PAGE SE 16 OATE / /

Assignment 6

Mayur Gorane

Title: Add dynamic web app" essence using PHP, HTML&

Arablem Statement :

as a backered for employee data with insert, delete, view & update operations.

Theory - A Marine to lacontain of

1. PHP - PHP is a hyperfext proprocessor began as little oppen source venture that advanced as an ever increasing no of individuals discovered how valuable it was PHP is a server side scripting dialer that is installed in HTML. It is to adultize to oversee dynamic substance, data base. It is incorporated with various prevalent database including Mysal Postgresab , oracle, sybase server.

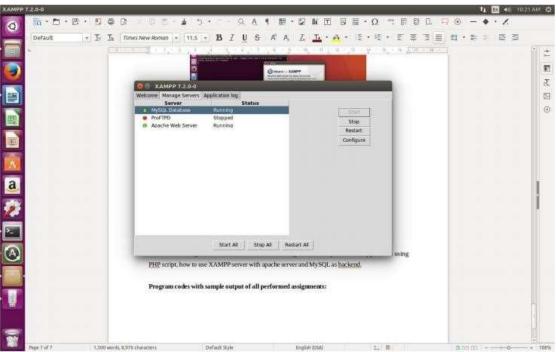
* SMysal - Its most famous open source relational database Management System.

What is database?

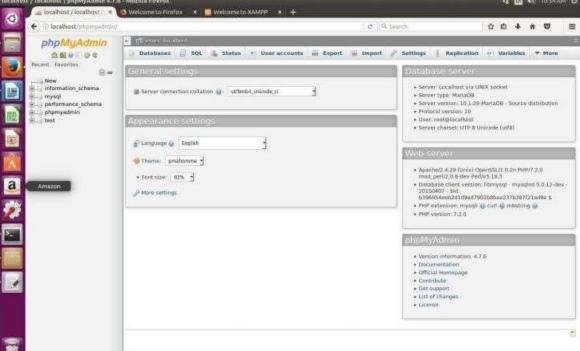
A database is different application that stores a gathering of information. Every database has alleast one mistakables API's for making/adting to over seeing & teacting information it holds.

conclusion. In this assignment we have studied how to design & develop small web application using PHP script, XAMPP server with apache server & Mysquas









Program and Code:

Here we have created "emp" directory in htdocs directory contain following files

- 1. index.php
- 2. add.html
- 3. add.php

```
4. edit.php5.delete.php
```

6. config.php

7. database.sql(optional)

```
1. index.php
<?php
//including the database connection file include_once("config.php");
//fetching data in descending order (lastest entry first)
//$result = mysql_query("SELECT * FROM users ORDER BY id DESC"); // mysql_query is
deprecated
$result = mysqli_query($mysqli, "SELECT * FROM users ORDER BY id
DESC"); // using mysqli_query instead
?>
<html>
<head>
<title>Homepage</title>
</head>
<body>
<a href="add.html">Add New Data</a><br/><br/>
Name
Age
Email
Update
<?php
```

```
//while($res = mysql_fetch_array($result)) { // mysql_fetch_array is deprecated, we
needtouse mysqli_fetch_array while($res = mysqli_fetch_array($result)) { echo "";
echo "".$res['name'].""; echo "".$res['age']."";
echo "".$res['email']."";
             echo "<a href=\"edit.php?id=$res[id]\">Edit</a> |
<ahref=\"delete.php?id=$res[id]\" onClick=\"return confirm('Are you sure you want
todelete?')\">Delete</a>";
}
?>
</body>
</html>
2. add.html
<html>
<head>
<title>Employee Data</title>
</head>
<body>
<a href="index.php">Home</a>
<br/><br/>
<form action="add.php" method="post" name="form1">
Name
                                   <input type="text" name="name">
```

```
<td>Age < /td>
                                 <input type="text" name="age">
Email
                                 <input type="text" name="email">
<input type="submit" name="Submit" value="Add">
</form>
</body>
</html>
3. add.php
<html>
<head>
<title>Add Data</title>
</head>
<body>
<?php
       //including the database connection file include_once("config.php");
       if(isset($_POST['Submit'])) {
       $name = mysqli_real_escape_string($mysqli, $_POST['name']);
```

```
$age = mysqli_real_escape_string($mysqli, $_POST['age']);
$email = mysqli_real_escape_string($mysqli, $_POST['email']);
// checking empty fields
if(empty($name) || empty($age) || empty($email)) {
if(empty($name)) { echo "<font color='red'>Name field is empty.</font><br/>";
}
if(empty($age)) { echo "<font color='red'>Age field is empty.</font><br/>";
}
if(empty($email)) { echo "<font color='red'>Email field is empty.</font><br/>";
}
//link to the previous page
             echo "<br/><a href='javascript:self.history.back();'>Go
                                                                   Back</a>"; } else {
// if all the fields are filled (not empty)
//insert data to database
                $result = mysqli query($mysqli, "INSERT INTO
users(name,age,email) VALUES('$name','$age','$email')");
//display success message
echo "<font color='green'>Data added successfully.";
         echo "<br/><a href='index.php'>View Result</a>";
}
```

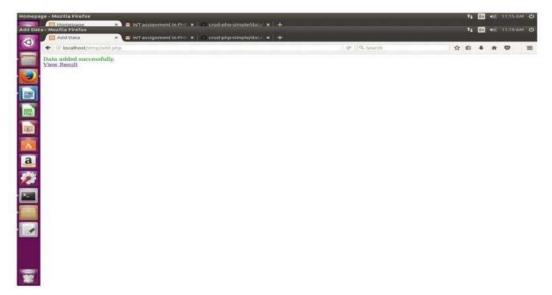
```
}
?>
</body>
</html>
4. edit.php <?php
// including the database connection file include_once("config.php");
if(isset($_POST['update']))
{
$id = mysqli_real_escape_string($mysqli, $_POST['id']);
$name = mysqli_real_escape_string($mysqli, $_POST['name']);
$age = mysqli_real_escape_string($mysqli, $_POST['age']);
$email = mysqli_real_escape_string($mysqli, $_POST['email']);
// checking empty fields
if(empty($name) || empty($age) || empty($email)) {
if(empty($name)) { echo "<font color='red'>Name field is empty.</font><br/>";
}
if(empty($age)) { echo "<font color='red'>Age field is empty.</font><br/>";
}
if(empty($email)) { echo "<font color='red'>Email field is empty.</font><br/>"; }
} else {
//updating the table
                                      $result = mysqli_query($mysqli, "UPDATE users SET
name='$name',age='$age',email='$email' WHERE id=$id");
```

```
header("Location: index.php");
}
}
?>
<?php
//getting id from url
$id = $_GET['id'];
//selecting data associated with this particular id
$result = mysqli_query($mysqli, "SELECT * FROM users
WHERE id=$id"); while($res = mysqli_fetch_array($result)) {
$name = $res['name'];
$age = $res['age'];
$email = $res['email'];
}
?>
<html>
<head>
<title>Edit Data</title>
</head>
<body>
<a href="index.php">Home</a>
<br/><br/>
```

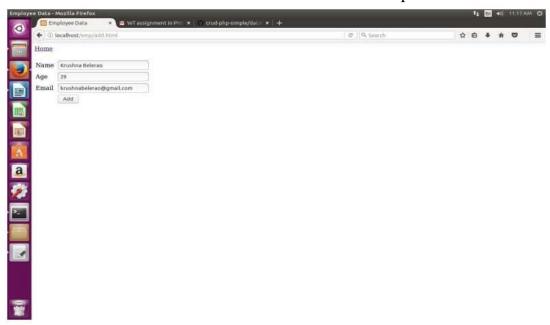
```
Name
<input type="text" name="name" value="<?phpecho
       $name;?>">
      Age
                               <input type="text" name="age" value="<?phpecho
      $age;?>">
      Email
               <input type="text" name="email" value="<?phpecho
      $email;?>">
      <input type="hidden" name="id" value=<?phpecho
      $_GET['id'];?>>
       <input type="submit" name="update" value="Update">
      </form>
      </body>
      </html>
      5. delete.php <?php
      include("config.php");
```

```
$id = $_GET['id'];
$result = mysqli_query($mysqli, "DELETE FROM users
WHERE id=$id"); header("Location:index.php");
?>
6. config.php
<?php
$database = 'localhost';
$dbName = 'test';
$dbUser = 'root';
$dbPass = ";
$mysqli = mysqli_connect($database, $dbUser, $dbPass, $dbName);
?>
7. database.sql
a. create database emp;
b. use emp;
c. CREATE TABLE `users` (
'id' int(11) NOT NULL auto_increment,
'name' varchar(100) NOT NULL,
`age` int(3) NOT NULL,
'email' varchar(100) NOT NULL,
PRIMARY KEY ('id')
);
```

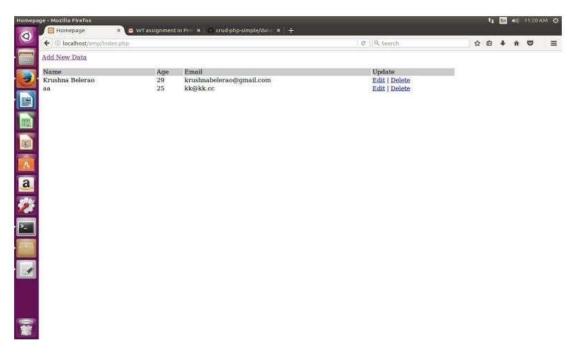
1. First Window



2. Second Window click on "Add New Data" see top left corner link



- 3. click "add" to add data in database and it will display below window
- 4. Click on "View Result" below image will be displayed with all details in Database



5. for delete and edit, use Update link from the right side

France in 11

Assignment 7

so forth.

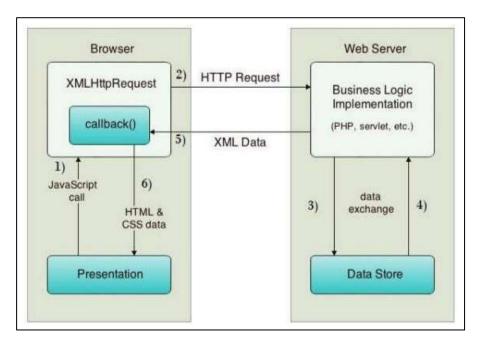
Title - Add dynamic web application using PHP, AJAX & Mysal.

Problem statement - Design & develop web application using PHP. AJAX & MysqL as a backend for employeedada with insert & wiew operations.

Theory - Concept - Ajax remains Asynchronous Javascript & xML, ajax is another procedure for making better, speediers & more intelligent dynamic web app north distance of XML, HTML, CSS & Javascript Ajax utilizes XHTML for content, css for introduction, alongside Document object Model & Javascript for dynamic substance show AJAX instructional exercise covers ideas & cases of AJAX is an acronym for Asynchronous Javascript & XML . Its gathering of between related innovation like Javascript, DoM, HTML, XML, CSS &

Technology/Tool - AJAN, PHP & Mysql Design & execution steps- for design purpose HTML & CSS is to be used for design part contains GUI of web application thow its look like &

conclusion - In this assignment we have studied how to design a develop small web application using PHR. Javascript, ajax, XAMPF server with Apache server:



Program and Code:

Here we have created "emp" directory in htdocs directory contain following files 1. index.html

- 2. insert.php
- 3. display.php
- 4. config.php

1.index.html

```
<!DOCTYPE html>
```

<html>

<head>

<title>PHP Databse Example with Ajax </title>

<script src="https://code.jquery.com/jquery-3.2.1.min.js"</pre>

integrity="sha256-

hwg4gsxgFZhOsEEamdOYGBf13FyQuiTwlAQgxVSNgt4=" crossorigin="anonymous">

</script>

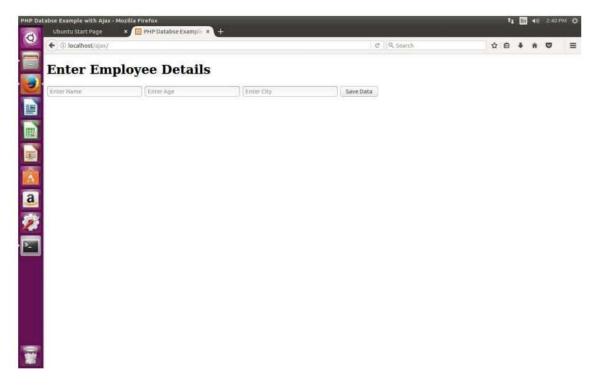
</head>

<body>

<h1> Enter Employee Details </h1>

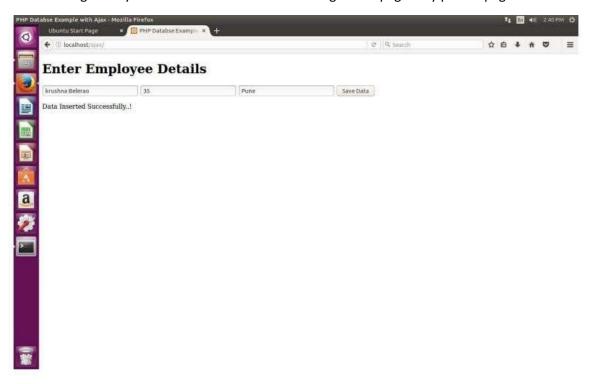
<form method="post" action="insert.php">

```
<input type="text" id="name" name="name" placeholder="Enter
Name" /> <input type="text" id="age" name="age" placeholder="Enter
Age" /> <input type="text" id="city" name="city" placeholder="Enter
City" /> <button> Save Data </button>
</form>
<a href="display.php">Display</a>
<!--jquery and ajax code-->
<script>
$("form").submit(function(e){ e.preventDefault();
$.post(
"insert.php",
{ name: $("#name").val(),
age: $("#age").val(), city:
$("#city").val()
}, function(result) {
if(result == "success")
{
$("#result").html("Data Inserted Successfully..!");
} else
{
$("#result").html("Error Occured!");
}
}
);
});
</script>
</script>
</body>
<html>
```



2. insert.php </php \$name = \$_POST['name']; \$age = \$_POST['age']; \$city = \$_POST['city']; \$con = new mysqli('localhost', 'root', '', 'emp'); if(\$con->connect_error) { echo("Error"); } \$stmt = \$con->prepare("insert into users(name,age,city) values (?,?,?)"); \$stmt->bind_param("sis",\$name,\$age,\$city); if(\$stmt->execute()) { echo("success"); } else { echo("fail"); }

in below image URL you can see that without refreshing whole page only part of page refreshed.



3. display.php <?php

include_once("config.php");

//\$result = mysql_query("SELECT * FROM users ORDER BY id DESC"); // mysql_queryis deprecated
\$result = mysqli_query(\$mysqli, "SELECT * FROM users ORDER BY id
DESC"); // usingmysqli_query instead

?>

<html>

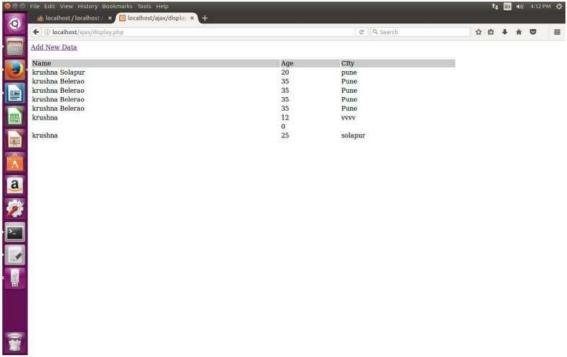
<body>

Add New Data

Name

Age

Clty



4. config.php

```
<?php
$host = 'localhost';
$dbname = 'emp';
$dabUser = 'root';
$dbPass = ' ';
$mysqli = mysqli_connect($host, $dbUser, $dbPass, $dbname); ?>
```

Mayur Gorane Assignment 8 48 TECHO Title - Design and develope any veb application using streets framework Problem Statement-Create a login module for veb application using Struct Vormula model view controller Mrchitecture. model view constelle is a way to build application that promoks complete separation botween bussiness logic and presentation. State of the Control of (Event) controller Course the test course structed Moodel DDD what is structs

structs is a framework that advance the utilize of model view controller engineering for planning substanial scan application. The structure incornorate an arrangement of aistorn labe libraries and their related Tana classes, alongside different abolitical classes.

	DATE / /
A. HILLIAM	
Strud dogs	
Common AH	butes
Attribute	Used fon
Id	the name of a bean Pontem
	- orang use by tag
name	the name of pre-existing hearfor
	use with the tag
Property	the property bean named in
	hame attribute
Scone	the scone to search his hearnand
Lairn Sha b	in the name attribute.
ale they send	Constitution of the Control of the C
Technology	Tool-
Q 'C	diper IDE
	mache . To meat 70 or higher
	Tra-
Condinaion	1-Mnalysis-
the state of the s	are succes fully test cotthe streets
	and tested the results
	3 13-160 PM
	OP 1
THE RESERVE AND ADDRESS OF THE PARTY OF THE	

```
// Creating a Plumber bean in the request scope
Plumber aPlumber = new Plumber();
request.setAttribute("plumber", aPlumber);
Beans can be created with the <jsp:useBean></jsp:useBean> tag:
<!-- If we want to do <jsp:setProperty ...></jsp:setProperty> or --
> <!-- <jsp:getProperty ... ></jsp:getProperty> -->
<!-- we first need to do a <jsp:useBean ... ></jsp:useBean> -->
<jsp:useBean id="aBean" scope="session" class="java.lang.String">
creating/using a bean in session scope of type java.lang.String
</jsp:useBean>
Most useful is the creation of beans with Struts tags:
<!-- Constant string bean -->
<bean:define id="greenBean" value="Here is a new constant string</pre>
bean; pun intended."/>
<!-- Copying an already existent bean, frijole, to a new bean, lima -->
<bean:define id="lima" name="frijole"/>
<!-- Copying an already existent bean, while specifying the class -->
<bean:define id="lima" name="frijole"</pre>
class="com.SomePackageName.Beans.LimaBean"/>
<!-- Copying a bean property to a different scope -->
<bean:define id="goo" name="foo" property="geeWhiz"</pre>
scope="request" toScope="application"/>
<br/><br/>bean:message ... >
<!-- looks up the error.divisionByZero resource -->
<!-- and writes it to the HttpResponse object -- >
<bean:message key="error.divisionByZero"/>
<!-- looks up the prompt.name resource -->
<!-- and writes it to the HttpResponse object; -- >
<!-- failing that, it writes the string -->
<!-- contained in the attribute arg0-->
<bean:message key="prompt.name" arg0='Enter a name:'/>
```

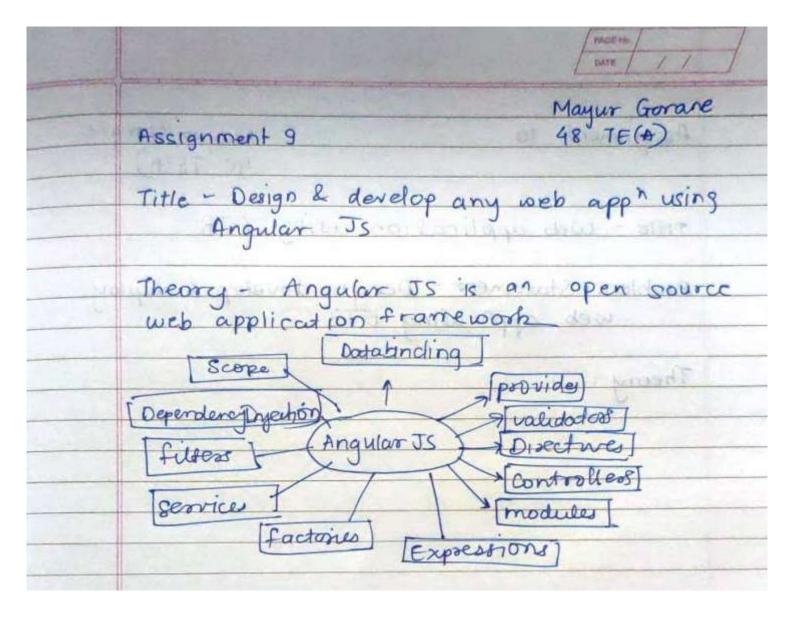
This tag writes the string equivalent of the specified bean or bean property to the current HttpResponse object.

dean:write ... >

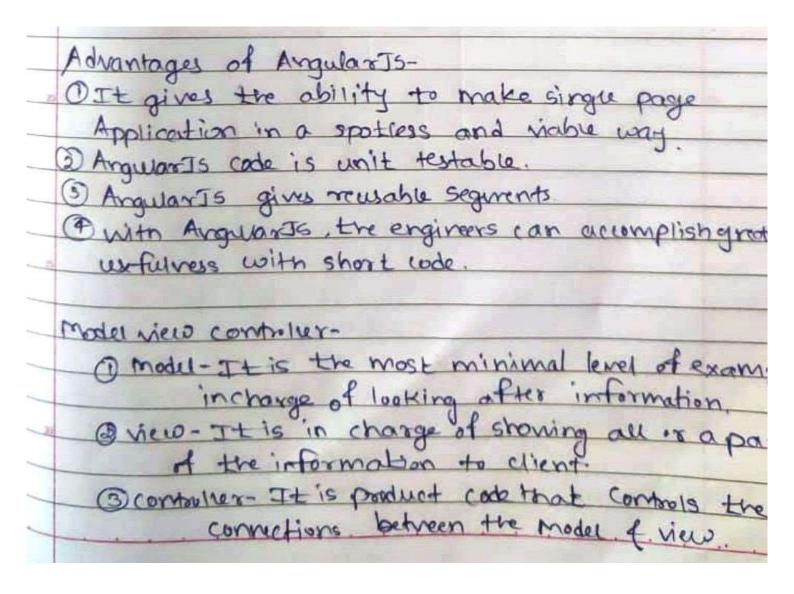
```
<!-- writes the value of customer.getStreetAddress().toString() --
```

> <!-- to the HttpResponse object -->

<bean:write name="customer" property="streetAddress"/>









Angularys is a muc based structure-An Angular 15 application comprises tollucing three essential This directive binds the values of Angular Ts application input composi - with the holp of Assignment it is helpful to understand features of Angularis muc model smeture and its use in advanced is studied

PROGRAM CODE:

<html ng-app="billpayApp">

<!-- SCRIPTS TO BE ADDED IN HEAD TAG --

> <head>

<title>Bill Payment Record using angular and bootstram framework</title>

<meta http-equiv="content-type" content="text/html; charset=utf-8" />

<!-- ACCESSING ANGULARIS BY CDN METHOD-->

<script

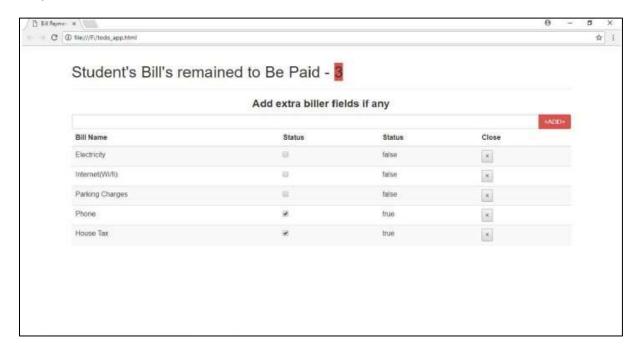
```
src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.4/angular.min.js"></script>
<!-- ACCESSING STYLESHEET FOR DESIGN [OPTIONAL PART CAN BE
SKIP]-->
<link rel="stylesheet"</pre>
href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/css/bootstrap.mi n.css">
<!-- MODEL PART-->
<script> var model = {
customer: "Student",
items: [{ bill:
"Electricity", status: false
}, {
bill: "Internet(Wi/fi)", status: false
}, {
bill: "Parking Charges",
status: false
}, { bill:
"Phone",
status: true
}, { bill: "House Tax",
status: true
}
] }
varbillpayApp = angular.module("billpayApp", []); billpayApp.controller("billpayctrl",
function($scope)
{ $scope.billpay = model;
$scope.dueBills = function() { var items
= $scope.billpay.items; var counter = 0;
items.forEach((item) => { if
(!item.status) { counter++;
}
})
return counter;
} $ scope.redFlag =
function() {
return $scope.dueBills() <= 2 ? "label-success" : "label-danger"; }</pre>
$scope.addBills = function(billName)
{ obj = { bill:
billName, status:
false } $
scope.billpay.items.push(obj);
```

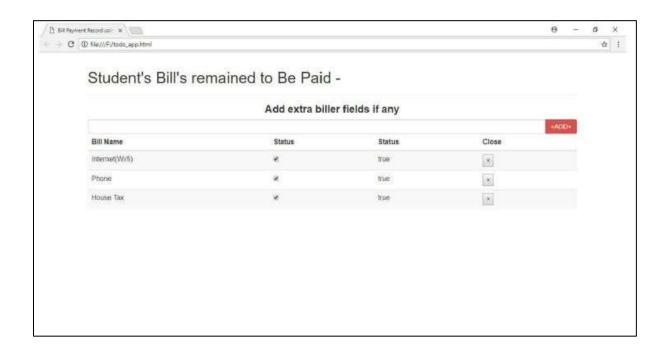
```
}$
scope.removeBills = function(rmvBills) {
$scope.billpay.items.splice($scope.billpay.items.indexOf(rmvBills), 1);
}
});
</script>
</head>
<!-- HTML BODY PART-->
<body ng-controller="billpayctrl">
<div class="container">
<div class="page-header">
<h1>{{billpay.customer}}'s Bill's remained to Be Paid -
<span class="lable" ng-class="redFlag()" ng-hide="dueBills()==0">
{{dueBills()}}
</span>
</h1>
</div>
<h3><center><b>Add extra biller fields if any</center></b></h3>
<div class="panel">
<div class="input-group">
<input class="form-control" ng-model="billName" />
<span class="input-group-btn"> <button</pre>
class="btnbtn-danger" ngclick="
addBills(billName)">+ADD+</button>
</span>
</div>
<thead>
Bill Name
Status
Status
Close
</thead>
<tbodyng-model="rmvBills">
```

```
<trng-repeat="item in billpay.items" ng-model="item">
{{item.bill}}
</d>
</d>
</d>

<a href="tem.status"/>>*/buth></a>
<a href="tem.status"/>>*/buth></a>
<a href="tem.status"/>>*/buth></a>
<a href="tem.status"/>>*/buth></a>
<a href="tem.status"/>>*/buth></a>
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```

Output:





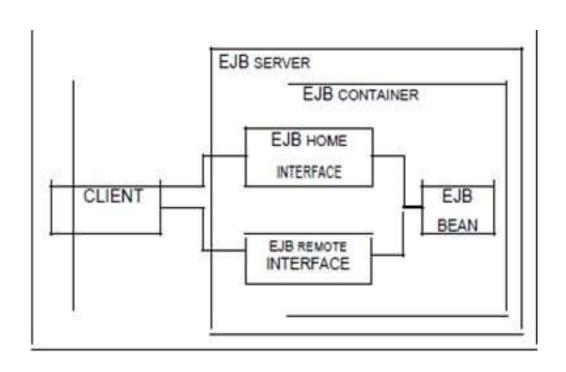
Assignment 10

Mayor Gorane
48 TE(N)

Title - Web application using EJB

Problem Statement - Design develop & deploy
web appr using EJB

Theory:



41	Java Beans - JEEE application - container container
	by clients for executing the buissress logic
1	these components are known as Enterprise Java beans (EJB).
	Peatures of EIB's-
15	Some of features of an application server include
0	Client Communication
2	State management
	Transaction management
7	Database connection margament
3	As I some some some
0	Asmehronous mesaging Application server Administration
	Types of Enterprise Java searis-
3	Ossession Beans
-	@ Entity Beans
+	3 Message driven Beans.
20	Design / Execution Steps-
	O Design EJB project
	(3) Start JBOSS & Deploy it on JBOSS Server

1111	@ Design Home & isp files with an extension
	the section to provide
16	result
5	A CONTRACT OF THE PROPERTY OF
	Conclusion - Hence we have created a simple
-wint	To a children session bean through
Line	To a solication Went which will carrie
البارو	the book to develop tox performing addition
10	of 2 numbers.
	(8.6.3.A privad

PROGRAM CODE:

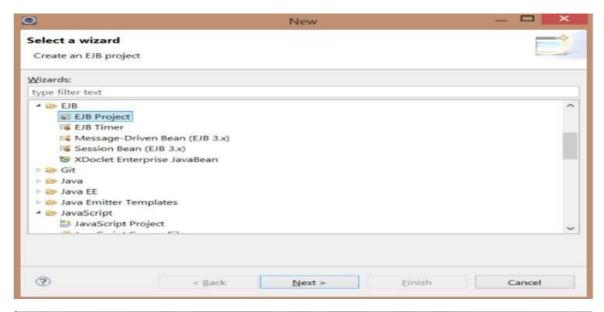
Create a new EJB Project:

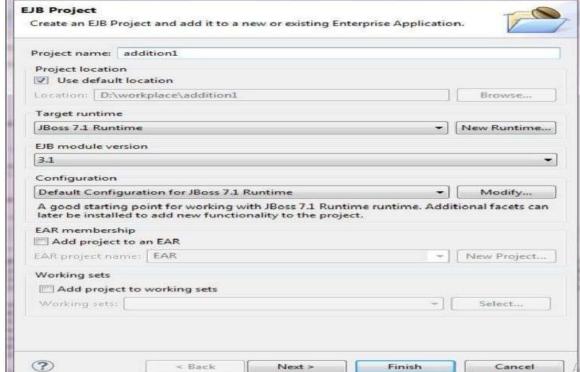
Open Eclipse IDE and create a new EJB project which can be done by clicking on, File menu -> New ->EJB Project

Step 1:

Create EJB project addition

Click File -> New -> Other -> EJB -> EJB Project -> Next





Step 2:

Now create Stateless session bean with its remote interface. Expand project -> expande

ejbModule -> Right click Session Bean -> New -> Session

addition1

A JAX-WS Web Services

B ejbModule

A META-INF

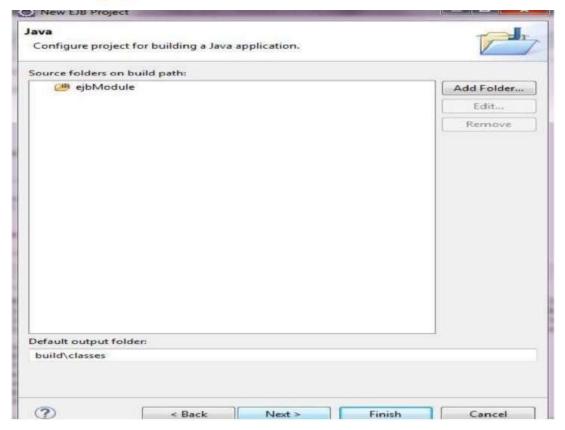
M JRE System Library [jdk1.7.0_25]

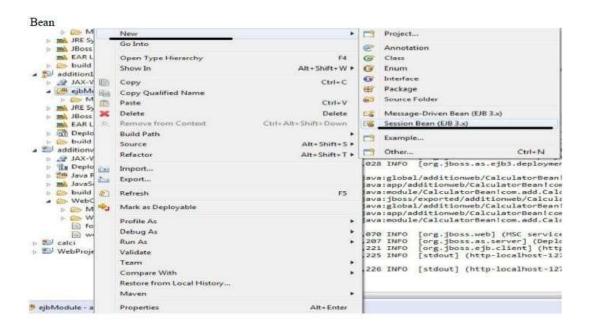
M JBoss 7.1 Runtime [JBoss 7.1 Runtime]

EAR Libraries

Deployment Descriptor: addition1

b build





```
🗓 CalculatorBean.java 🔀 🗓 CalculatorBeanRemote.java 📳 webappadd.jsp
1 package com.add;
 3 import javax.ejb.LocalBean;
60 /**
 7 * Session Bean implementation class CalculatorBean
 9 @Stateless
10 @LocalBean
11 public class CalculatorBean implements CalculatorBeanRemote {
12
130
        * Default constructor.
14
15
     public CalculatorBean() {
169
17
          // TODO Auto-generated constructor stub
18
19
200
       public float add(float a, float b)
21
22
           return a+b;
        }
      }
```

Write Following code in CalculatorBeanRemote .java

Step 3: Deploying the project :

Now we need to deploy the our EJB "addition" on server. Follow the steps mentioned bellow

to deploy this project on server.

Strat the server

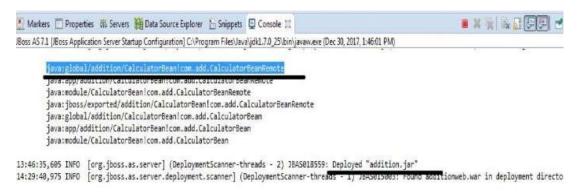
Right click on "JBoss 7.1 Runtime Server" from Servers view and click on Start.

Step 4:

Now next step Go to Project-> addition -> right click -> run-> Run on server

Step 5:

After running the program you can see following message on console



Step 6:

Once this jar file is deployed to server now export EJB jar file save it in desktop -> Finish.

Step 7:

Now create another project

File Edit Source Refactor Navigate Search Project Run Window Help

New Alt+Shift+N Project

Open File...

Close Ctrl+W

Close All Ctrl+Shift+W

Connector Project

Connector Project

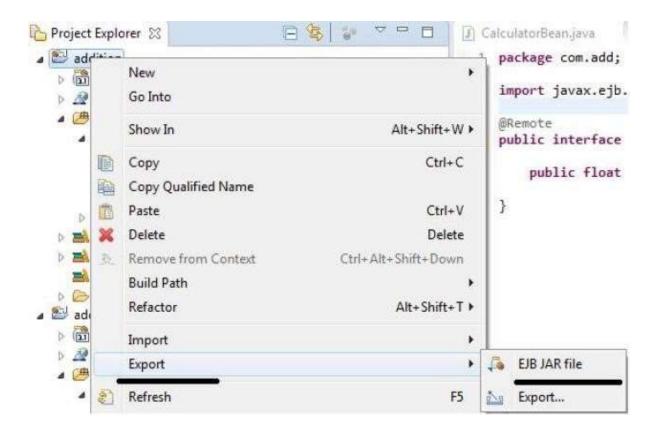
Write the following code in form.html

//form.html

```
10 <html>
 26
      <head>
           <title>Calculator</title>
 3
 4
      </head>
 5
     <body bgcolor="blue">
 6
 7
           <h1>Calculator</h1>
 8
           <hr>
 9
           <form action="webappadd.jsp" method="POST">
100
 110
       Enter first value:
12
       <input type="text" name="num1" size="25">
               (br)
13
140
           Enter second value:
15
               <input type="text" name="num2" size="25">
16
               (br)
17
18
               <b>Seclect your choice:</b><br>
19
      <input type="radio" name="group1" value ="add">Addition<br>
20
218
      >
              <input type="submit" value="Submit">
22
23
              <input type="reset" value="Reset">
24
25
         </form>
26
27
     </body>
28
29 </html>
```

```
CalculateBean.java
               CalculatorBeanjava
 1 @ page contentType="text/html; charset=UTF-8" %
 4= c$
 5 float result=0;
   // CalculatorBeanRemote calculator=null;
      try (
          InitialContext ic = new InitialContext();
            CalculatorBeanRemote calculator = (CalculatorBeanRemote) ic.lookup("java:global/addition/CalculatorBeanCom.add.CalculatorBeanRemote");
            System.out.println("Loaded Calculator Bean");
18 //CalculatorBean
19.
20
          String s1 * request.getParameter("num1");
            String s2 = request.getPerameter("num2");
            String s3 * request.getParameter("group1");
26 System.out.println(s3);
          if ( s1 != null && s2 != null ) (
             Float num1 = new Float(s1);
Float num2 = new Float(s2);
               if(s3.equals("add"))
                  result=calculator.add(numl.floatValue(),num2.floatValue());
34
        50
       qq.
38
            <br/>
<br/>
b>The result is:</b> <%= result %>
 39
             >
 40
 410
              <%
 42
                 }// end of try
 43
 44
                 catch (Exception e) {
 45
           e.printStackTrace ();
         //result = "Not valid";
 46
 47
        }
 48
 49 %>
```

Write following code inwebappadd.jsp



OUTPUT:-

