LAB INDEX

NAME: Vivek Kumar SUBJECTNAME: Project Based Learning in Java Lab

UID: 21BCS8129 SUBJECTCODE: 20CSP-314

SECTION: WM-20BCS-616/A

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sr.No** | **Program** | **Date** | **Evaluation** | | | | **Sign** |
| **LW**  **(12)** | **VV**  **(10)** | **FW**  **(8)** | **Total**  **(30)** |
| 1 | Create an application to save the employee information using arrays. | 09-08-2022 |  |  |  |  |  |
| 2 | Design and implement a simple inventory control system for a small video rentalstore. | 23-08-2022 |  |  |  |  |  |
| 3 | Create a application to calculate interest for FDs, RDs based on certain conditions using inheritance. | 02-09-2022 |  |  |  |  |  |
| 4 | Create a program to show the usage of Sets of Collection interface. | 27-09-2022 |  |  |  |  |  |
| 5 | Create a program to set view of Keys from Java Hashtable. | 27-09-2022 |  |  |  |  |  |
| 6 | Write a Program to perform the basic operations like insert, delete, display and search in list. List contains String object items where these operations are to be performed. | 04-10-2022 |  |  |  |  |  |
| 7 | Create a menu-based Java application with the following options.1. Add an Employee2.Display All3.Exit If option 1 is selected, the application should gather details of the employee like employee name, employee id, designation and salary and store it in a file. If option 2 is selected, the application should display all the employee details. If option 3 is selected the application should exit. | 14-10-2022 |  |  |  |  |  |
| 8 | Create a palindrome creator application for making a longest possible palindrome out of given input string. | 01-11-2022 |  |  |  |  |  |
| 9 | Create a Servlet/ application with a facility to print any message on web browser. | 10/11/2022 |  |  |  |  |  |
| 10 | Create JSP application for addition, multiplication and division. |  |  |  |  |  |  |

## CHANDIGARH UNIVERSITY

## UNIVERSITY INSTITUTE OF NGINEERING

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**



|  |  |
| --- | --- |
| **Submitted By: Submitted To:**  Vivek Kumar(21BCS8129) Neeru Sharma(E12950) | |
| **Subject Name** | Project Based Learning in Java Lab |
| **Subject Code** | 20CSP-321 |
| **Branch** | Computer Science and Engineering |
| **Semester** | 5th |

**Experiment - 9**

**Student Name: Vivek Kumar UID: 21BCS8129**

**Branch: BE-CSE(LEET) Section/Group:20BCS-WM-616/A**

**Semester: 5th Date of Performance: 01/11/2022**

**Subject Name:** **Project Based Learning in Java Lab Subject Code: 20CSP-321**

1. **Aim/Overview of the practical:**

Create a program that uses JSP and html to insert, edit, delete or view employee data from a database. You have to use JSP bean class to set values for employee objects.

1. **Task to be done/ Which logistics used:**

Create a program that uses JSP and html to insert, edit, delete or view employee data from a database. You have to use JSP bean class to set values for employee objects.

1. **Apparatus / Simulator Used:**

* Eclipse IDE - (Java)
* NetBeans.
* JDK-8 or any.

1. **Programs/ Code:**

***Index.jsp***

<%@ page language=*"java"* contentType=*"text/html; charset=ISO-8859-1"*

pageEncoding=*"ISO-8859-1"*%>

<!DOCTYPE html>

<html>

<head>

<meta charset=*"ISO-8859-1"*>

<title>Insert title here</title>

<style>

**h1**{

margin: *auto*;

width: *60%*;

padding-left: *100px*;

}

**body** {

background:*orange*;

color: *white*;

}

*.fall* {

background: *grey*;

color: *white*;

border: *2px solid blue*;

width: *45%*;

margin:*auto*;

}

*.input-group*{

position: *relative*;

margin: *23px*;

left: *175px*;

}

**button**{

position: *relative*;

left: *35%*

}

**button***:hover*{

cursor:*pointer*;

background: *black*;

color: *white*;

}

**h3**{

margin: *auto*;

width: *40%*;

padding: *5px*;

}

</style>

</head>

<body>

<h1>Welcome the AP Auctions, Please Enter the Bid</h1>

<form class=*"fall"* name=*"register\_form"* action=*"*<%=request.getContextPath()%>*/functions"* method=*"post"* >

<div class=*"input-group mb-2"*>

<input type=*"text"*name=*"name"* id=*"name"* onkeypress="return /[0-9a-zA-Z]/i.test(event.key)" class=*"form-control input\_user"* required=*"required"*

placeholder=*"Item ID"*>

</div>

<p class=*"error"* id=*"name\_id"*></p>

<div class=*"input-group mb-2"*>

<div class=*"input-group-append"*>

<span class=*"input-group-text"*><i class=*"fas fa-user"*></i></span>

</div>

<input type=*"text"* name=*"branch"* id=*"branch"* onkeypress="return /[0-9a-zA-Z]/i.test(event.key)" class=*"form-control input\_user"* required=*"required"*

placeholder=*"Item Name"*>

</div>

<p class=*"error"* id=*"branch\_id"*></p>

<div class=*"input-group mb-2"*>

<div class=*"input-group-append"*>

<span class=*"input-group-text"*><i class=*"fas fa-user"*></i></span>

</div>

<input type=*"text"* name=*"course"* id=*"course"* onkeypress="return /[0-9a-zA-Z]/i.test(event.key)" class=*"form-control input\_user"* required=*"required"*

placeholder=*"Your Name"*>

</div>

<p class=*"error"* id=*"course\_id"*></p>

<div class=*"input-group mb-2"*>

<div class=*"input-group-append"*>

<span class=*"input-group-text"*><i class=*"fas fa-user"*></i></span>

</div>

<input type=*"email"* name=*"email"* id=*"email"*onkeypress="return /[0-9a-zA-Z.@\_]/i.test(event.key)" class=*"form-control input\_user"* required=*"required"*

placeholder=*"Email"*>

</div>

<p class=*"error"* id=*"email\_id"*></p>

<div class=*"input-group mb-2"*>

<div class=*"input-group-append"*>

<span class=*"input-group-text"*><i class=*"fas fa-user"*></i></span>

</div>

<input type=*"number"* id=*"number"* onKeyPress="if(this.value.length==10) return false;" name=*"number"* class=*"form-control input\_user"* required=*"required"*

placeholder=*"Amount Bid"*>

</div>

<p class=*"error"* id=*"number\_id"*></p>

<button type=*"submit"* onclick=hide()>Submit Bid</button>

</form>

<script>

document.getElementById("name").addEventListener("keypress", myname);

document.getElementById("name").addEventListener("mouseover", myname);

**function** myname() {

**var** name= document.register\_form.name.value;

**var** paragraph = document.getElementById("name\_id");

**if**(name.length==0){

paragraph.textContent="Please enter your Id !!";

document.register\_form.name.focus();

}

**if**(name.length>5 && name.length!=0){

paragraph.textContent="\ID should not be greater than 5 character !!!";

document.register\_form.name.focus();

}

**if**(name.length<5){

paragraph.textContent="";

}

}

document.getElementById("email").addEventListener("keypress", myemail);

document.getElementById("email").addEventListener("mouseover", myemail);

**function** myemail() {

**var** email= document.register\_form.email.value;

**var** paragraph = document.getElementById("email\_id");

**if**(email.length==0){

paragraph.textContent="Please enter your email !!";

document.register\_form.email.focus();

}

**else** **if**(!(/^\w+([\.-]?\w+)\*@\w+([\.-]?\w+)\*(\.\w{2,3})+$/.test(email))){

paragraph.textContent="Enter valid email !!!";

document.register\_form.email.focus();

}

**else**{

paragraph.textContent="";

}

}

document.getElementById("branch").addEventListener("keypress", mybranch);

document.getElementById("branch").addEventListener("mouseover", mybranch);

**function** mybranch() {

**var** branch= document.register\_form.branch.value;

**var** paragraph = document.getElementById("branch\_id");

**if**(branch.length<1){

paragraph.textContent="Please enter your Item Name !!";

document.register\_form.branch.focus();

}

**else**{

paragraph.textContent="";

}

}

document.getElementById("course").addEventListener("keypress", mycourse);

document.getElementById("course").addEventListener("mouseover", mycourse);

**function** mycourse() {

**var** course= document.register\_form.course.value;

**var** paragraph = document.getElementById("course\_id");

**if**(course.length<1){

paragraph.textContent="Please enter your Name !!";

document.register\_form.course.focus();

}

**else**{

paragraph.textContent="";

}

}

document.getElementById("number").addEventListener("keypress", mynumber);

document.getElementById("number").addEventListener("mouseover", mynumber);

**function** mynumber() {

**var** number= document.register\_form.number.value;

**var** paragraph = document.getElementById("number\_id");

**if**(number.length==0){

paragraph.textContent="Please enter your Amount Bid !!";

document.register\_form.email.focus();

}

**else** **if**(!(/^[6-9]\d{9}$/.test(number))){

paragraph.textContent="Enter valid Amount Bid !!!";

document.register\_form.number.focus();

}

**else**{

paragraph.textContent="";

}

}

</script>

<h3>Bid Submitted</h3>

<h3>Your bid is now active. if your bid is successful, you will be notified within 24HRS</h3>

<h3> Item id: <%=request.getAttribute("ans") %></h3> <br>

<h3> Item Name: <%=request.getAttribute("ans1") %></h3> <br/>

<h3> Your Name <%=request.getAttribute("ans2") %></h3><br/>

<h3> Email:<%=request.getAttribute("ans3") %></h3><br/>

<h3> Your Amount: <%=request.getAttribute("ans4") %></h3><br/>

</body>

</html>

***Functions.java***

package unit3;

import java.util.\*;

import java.io.IOException;

import java.io.PrintWriter;

import javax.servlet.ServletException;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.HttpServlet;

import javax.servlet.http.HttpServletRequest;

import javax.servlet.http.HttpServletResponse;

/\*\*

\* Servlet implementation class functions

\*/

@WebServlet(name="functions",urlPatterns={"/functions"})

public class functions extends HttpServlet {

protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {

String a=request.getParameter("name");

String b=request.getParameter("branch");

String c=request.getParameter("course");

String d=request.getParameter("email");

String e=request.getParameter("number");

try {

String ans=a;

String ans1=b;

String ans2=c;

String ans3=d;

String ans4=e;

request.setAttribute("ans",ans);

request.setAttribute("ans1",ans1);

request.setAttribute("ans2",ans2);

request.setAttribute("ans3",ans3);

request.setAttribute("ans4",ans4);

request.getRequestDispatcher("index.jsp").forward(request,response);

}catch(Exception e1) {

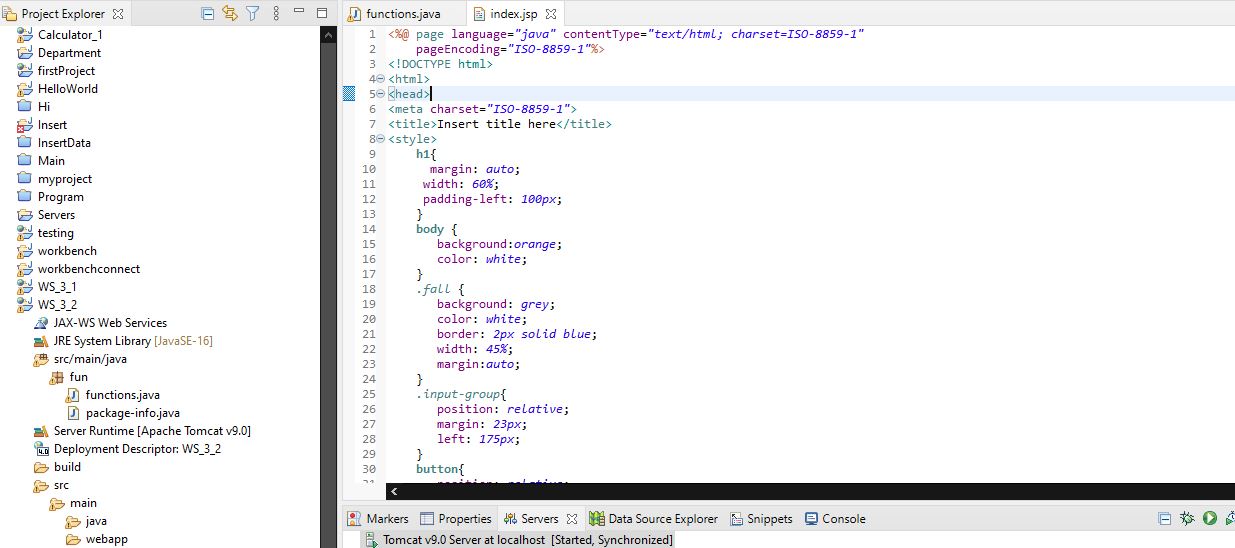
System.out.println(e1);

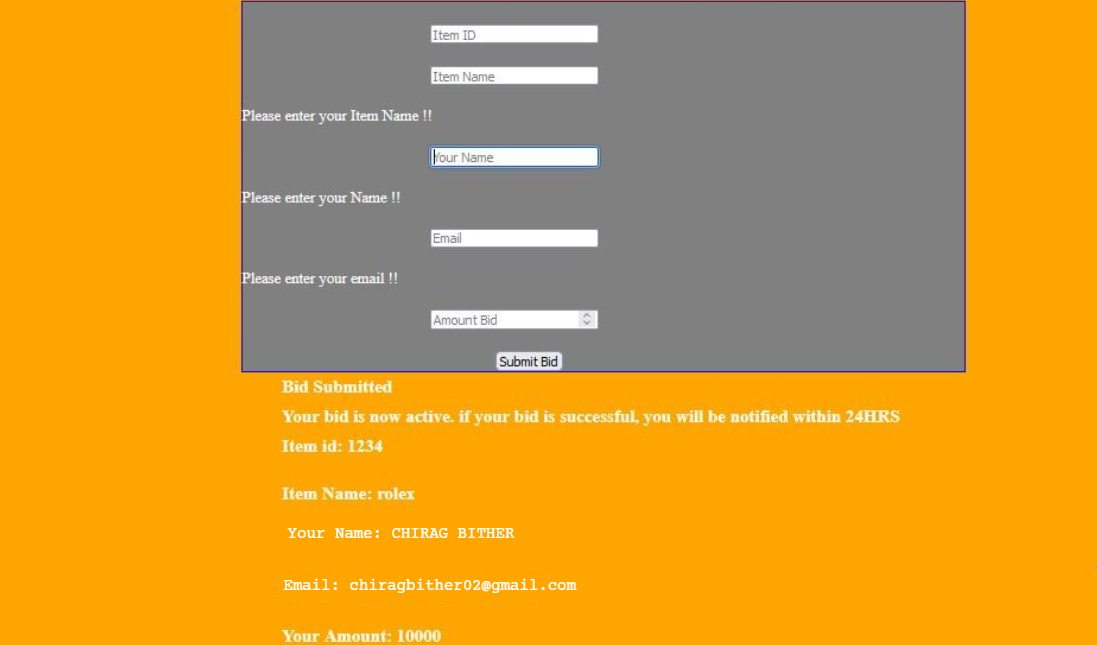
}

}

}

**OUTPUT:**

****



**Learning outcomes (What I have learnt):**

1. Learn About the servlet.
2. Learn about jsp and dynamic web project.
3. Learn about the tomcat server and its integrations with the java.

**Evaluation Grid (To be created per the faculty's SOP and Assessment guidelines):**

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Parameters | Marks Obtained | Maximum Marks |
| 1. | Worksheet completion including writing learning objectives/Outcomes.  (To be submitted at the end of the day). |  |  |
| 2. | Post-Lab Quiz Result. |  |  |
| 3. | Student Engagement in  Simulation/Demonstration/Performance and Controls/Pre-Lab Questions. |  |  |
|  | Signature of Faculty (with Date): | Total Marks Obtained: |  |