



CHANDIGARH UNIVERSITY

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UNIVERSITY INSTITUTE OF ENGINEERING

Department of Computer Science & Engineering

Subject Name:

Subject Code: 20CSP 321

Submitted to:

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Submitted by:

Name: Rajiv Paul

UID:20BCS1812

Section:20BCS_WM-702

Group: A

INDEX

Ex. No	List of Experiments	Date	Conduct (MM: 12)	Viva (MM: 10)	Record (MM: 8)	Total (MM: 30)	Remarks/Signature
1.1	Create an application to save the employees information using arrays	16/8/22					
1.2	Design and implement a simple inventory control system for a small video rental store	26/8/22					
1.3	Calculate interest based on the type of the account and the status of the account holder. The rates of interest changes according to the amount (greater than or less than 1 crore), age of account holder (General or Senior citizen) and number of days if the type of account is FD or RD.	6/9/22					
2.1	Create a program to set view of Keys from Java Hashtable.	16/9/22					
2.2	Create a program to show the usage of set of collection interface.	4/10/22					
2.3	Write a program to perform the basic operations like insert delete display and search in list. List contains string object items where the operation are to be performed.	30/9/22					
2.4	Create a menu based java application with the following options i) add an employee ii) display all iii) exit	11/10/22					

3.1	Create a palindrome creator application for making a longest possible palindrome out of given input string	01/11/22					
3.2	Create a Servlet/ application with a facility to print any message on web browser	04/11/22					
3.3							

Experiment 3.2

Student Name:Rajiv Paul

UID:20BCS1812

Branch:CSE

Section/Group:702A

Semester: 5th

Date of Performance: 04/11/2022

Subject Name:PBLJ Lab

Subject Code: 20CSP 321

1. Aim:

Create a Servlet/ application with a facility to print any message on web browser

2. Requirements:

Software:

IntelliJ IDEA, JDK,MacOs,Netbeans

Hardware:

Macbook(Laptop)

Ram:4GB(Minimum)

Processor: M1

3. 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 fun;

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);

}

}

}

```

4. Output:

Welcome the AP Auctions, Please Enter the Bid

Item ID

Item Name

Please enter your Item Name !!

Your Name

Please enter your Name !!

Email

Please enter your email !!

Amount Bid

Bid Submitted

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

Item id: 1234

Item Name: rolex

Your Name Abhinay

Email:rsingh9766@gmail.com00

Your Amount: 10000

Learning outcomes (What I have learnt):

- 1.** Learnt about the Servlet .
- 2.** Learnt about jsp and dynamic web project .
- 3.** Learnt about the tomcat server and its integrations with the java.