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. | 10/11/2022 |  |  |  |  |  |

## 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 - 10**

**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 XML and html to create a DOM parser.

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

Create a program that uses XML and html to create a DOM parser.

1. **Apparatus / Simulator Used:**

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

1. **Programs/ Code:**

**Code:**

**Index.xml**

<?xml version="1.0" encoding="UTF-8"?>

<!DOCTYPE market SYSTEM "check.dtd">

<market>

<shop ID="101" subject="java">

<name>Green</name>

<rating>5</rating>

</shop>

<shop ID="102" subject="python">

<name>

RockNroll

</name>

<rating>

10

</rating>

</shop>

</market>

**Index.html**

<!DOCTYPE html>

<html>

<body>

<p><button onclick="loadXMLDoc()">Market info</button></p>

<table id="demo" border="1">

<tr><th>name</th><th>rating</th></tr>

</table>

<script>

function loadXMLDoc() {

var xmlhttp = new XMLHttpRequest();

xmlhttp.onreadystatechange = function() {

if (this.readyState == 4 && this.status == 200) {

myFunction(this);

}

};

xmlhttp.open("GET", "index.xml" , true);

xmlhttp.send();

}

function myFunction(xml) {

var x, i, xmlDoc, table;

xmlDoc = xml.responseXML;

table = "<tr><th>name</th><th>rating</th></tr>";

x = xmlDoc.getElementsByTagName("shop")

for (i = 0; i < x.length; i++) {

table += "<tr><td>" +

x[i].getElementsByTagName("name")[0].childNodes[0].nodeValue +

"</td><td>" +

x[i].getElementsByTagName("rating")[0].childNodes[0].nodeValue +

"</td></tr>";

}

document.getElementById("demo").innerHTML = table;

}

</script>

</body>

</html>

**Check.dtd**

<?xml version="1.0" encoding="UTF-8"?>

<!ELEMENT market (shop+) >

<!ELEMENT shop (name,rating)>

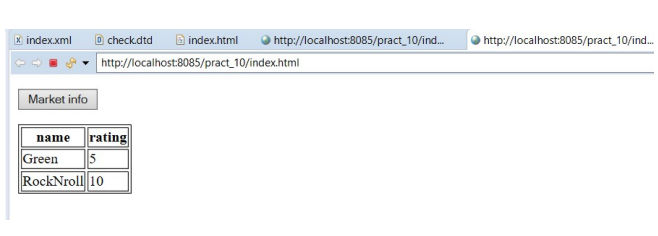
<!ELEMENT name (#PCDATA)>

<!ELEMENT rating (#PCDATA)>

<!ATTLIST shop ID CDATA #REQUIRED>

<!ATTLIST shop subject (java|python) "JAVA">

1. **Result/Output/Writing Summary:**



I have successfully done this program.

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

* Learnt the concept of XML.
* Learnt the concept of DOM.
* Learnt the concept of HTML.
* Learnt a program that uses XML and html to create a DOM parser.

**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: |  |