**CHANDIGARH UNIVERSITY**

**UNIVERSITY INSTITUTE OF ENGINEERING**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**



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| **Submitted By:** Sahil Kaundal  **Submitted To:** Neeru Sharma | |
| **Subject Name** | Project Based Learning Java (Lab) |
| **Subject Code** | 20CSP-321 |
| **Branch** | Computer Science Engineering |
| **Semester** | 5th |

LAB INDEX

**NAME:** Sahil Kaundal **SUBJECT NAME:** PBLJ (Lab)

**UID:** 21BCS8197 **SUBJECT CODE:** 20CSP-321

**SECTION:** 20BCS\_WM-616/A

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| **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. | 16/08/2022 |  |  |  |  |  |
| 2. | Design and implement a simple inventory control system for a small video rental store. | 20/08/2022 |  |  |  |  |  |
| 3. | Create a application to calculate interest for FDs, RDs based on certain conditions using inheritance. | 27/08/2022 |  |  |  |  |  |
| 4. | Create a program to set view of Keys from Java Hashtable. | 27/09/2022 |  |  |  |  |  |
| 5. | Create a program to show the usage of Sets of Collection interface. | 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 | 13/10/2022 |  |  |  |  |  |
| 8. | Create a palindrome creator application for making a longest possible palindrome out of given input string. | 10/11/2022 |  |  |  |  |  |
| 9. | 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. | 10/11/2022 |  |  |  |  |  |
| 10. | Create a program that uses XML and html to create a DOM parser. | 10/11/2022 |  |  |  |  |  |

**Experiment 10**

**Student Name:** Sahil Kaundal **UID:** 21BCS8197

**Branch:** BE CSE (Lateral Entry) **Section/Group:** 616/A

**Semester:** 5th **Date of Performance:** 10/11/2022

**Subject Name:** PBLJ 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)>

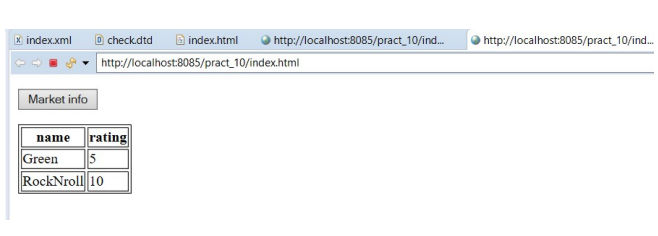
<!ELEMENT name (#PCDATA)>

<!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 as per the SOP and Assessment guidelines by the faculty):

|  |  |  |  |
| --- | --- | --- | --- |
| Sr. No. | Parameters | Marks Obtained | Maximum Marks |
| 1. |  |  |  |
| 2. |  |  |  |