**WEEK 9:**

1. **Write a program for employee details by using Internal, external DTDAssignment**

**CODE Internal:**

<?xml version="1.0"?>

<!DOCTYPE student[

<!ELEMENT student (Sname,Sid,age,salary)>

<!ELEMENT Sname (#PCDATA)>

<!ELEMENT Sid (#PCDATA)>

<!ELEMENT age (#PCDATA)>

<!ELEMENT salary (#PCDATA)>

]>

<student>

<std1>

<Sname>C.Chethankumar</Sname>

<Sid>222010310024</Sid>

<age>21</age>

<salary>1000000</salary>

</std1>

<std2>

<Sname>G.Revathi</Sname>

<Sid>222010310027</Sid>

<age>21</age>

<salary>300000</salary>

</std2>

<std3>

<Sname>N.Satwik</Sname>

<Sid>4433293</Sid>

<age>21</age>

<salary>600000</salary>

</std3>

</student>

**CODE external:**

**External.xml**

**Code:**

<?xml version="1.0"?>

<!DOCTYPE student SYSTEM "external.dtd">

<employee>

<emp1>

<Ename>C.Chethankumar</Ename>

<Eid>222010310024</Eid>

<age>21</age>

<salary>1000000</salary>

</emp1>

<emp2>

<Ename>G.Revathi</Ename>

<Eid>222010310027</Eid>

<age>21</age>

<salary>300000</salary>

</emp2>

<emp3>

<Ename>N.Satwik</Ename>

<Eid>4433293</Eid>

<age>21</age>

<salary>600000</salary>

</emp3>

</employee>

**External.dtd:**

<!ELEMENT student (Ename,Eid,age,salary)>

<!ELEMENT Ename (#PCDATA)>

<!ELEMENT Eid (#PCDATA)>

<!ELEMENT age (#PCDATA)>

<!ELEMENT salary (#PCDATA)>

1. **Write a program for 5 student details by using XSLT**

**Code:**

**Student.xml:**

<?xml-stylesheet type="text/xsl" href="Student.xsl"?>

<data>

<student>

<firstname>Chethan</firstname>

<lastname>kumar.C</lastname>

<age>21</age>

</student>

<student>

<firstname>Revathi</firstname>

<lastname>G</lastname>

<age>21</age>

</student>

<student>

<firstname>Satwika</firstname>

<lastname>N</lastname>

<age>21</age>

</student>

<student>

<firstname>Rithwik</firstname>

<lastname>N</lastname>

<age>21</age>

</student>

<student>

<firstname>Venkata</firstname>

<lastname>Karthik</lastname>

<age>21</age>

</student>

</data>

**Student.xsl:**

<xsl:stylesheet version="1.0"

xmlns:xsl = "http://www.w3.org/1999/XSL/Transform">

<xsl:template match="/data">

<html>

<body>

<h1>Student data</h1>

<table border="1">

<tr bgcolor="lightblue">

<th>firstname</th>

<th>lastname</th>

<th>age</th>

</tr>

<xsl:for-each select="student">

<tr>

<td><xsl:value-of select="firstname"/></td>

<td><xsl:value-of select="lastname"/></td>

<td><xsl:value-of select="age"/></td>

</tr>

</xsl:for-each>

</table>

</body>

</html>

</xsl:template>

</xsl:stylesheet>

**3. Write a programs for Employee details by using JSON methods**

**1. conversion of data into String,**

**2. Conversion of string to data**

**CODE:**

<!DOCTYPE html>

<html>

<head><title>Chethan kumar</title></head>

<body>

<h1>Employee conversion of string to data</h1>

<p id="Chethan"></p>

<p id="kumar"></p>

<p id="revathi"></p>

<h1>Employee Conversion of string to data</h1>

<p id="10024"></p>

<script>

let emp = '{"employees":[' +'{"Name":"Chethan","age":21,"Salar":100000,"location":"hyd"},' +'{"Name":"Revathi","age":21,"Salar":500000,"location":"vij"},' +'{"Name":"Satwika","age":21,"Salar":600000,"location":"hyd"}]}';

const obj = JSON.parse(emp);

document.getElementById("Chethan").innerHTML ="Name -: " +

obj.employees[0].Name +"----"+"age -: " + obj.employees[0].age+"----"+"Salar -: "+ obj.employees[0].Salar+"----"+"location -: " +obj.employees[0].location;

document.getElementById("kumar").innerHTML ="Name -: " +

obj.employees[1].Name +"----"+"age -: " + obj.employees[1].age+"----"+"Salar -: "+ obj.employees[1].Salar+"----"+"location -: " +obj.employees[1].location;

document.getElementById("revathi").innerHTML ="Name -: " +

obj.employees[2].Name +"----"+"age -: " + obj.employees[2].age+"----"+"Salar -: "+ obj.employees[2].Salar+"----"+"location -: " +obj.employees[2].location;

document.write("<br>");

let emp1 = {employees1:[

{Name:"Chethan",age:21,Salar:100000,location:"hyd"}, +

{Name:"Revathi","age":21,Salar:500000,location:"vij"}, +

{Name:"Satwik",age:21,Salar:600000,location:"hyd"}]};

const obj1 = JSON.stringify(emp1);

document.getElementById("10024").innerHTML =obj1;

document.write("<br>");

</script>

</body>

</html>