20BCE1837

EX No. 10

1. XML

Schema Develop a thesaurus tool by creating a schema for thesaurus. When a word is entered the synonyms or antonyms must be displayed based on the user request.

**XML CODE:**

<?xml version="1.0"?>

<?xml-stylesheet type="text/xsl" href="2.xsl"?>

<thesarus>

<word>

<name>Abate</name>

<antonym>Aggravate</antonym>

<synonym>Moderate</synonym>

</word>

<word>

<name>Barbarous</name>

<antonym>Civilized</antonym>

<synonym>Frustrate</synonym>

</word>

<word>

<name>Callous</name>

<antonym>Compassionate</antonym>

<synonym>obdurate</synonym>

</word>

<word>

<name>Decipher</name>

<antonym>Misinterpret</antonym>

<synonym>interpret</synonym>

</word>

<word>

<name>Eclipse</name>

<antonym>Shine</antonym>

<synonym>Diminution</synonym>

</word>

<word>

<name>Fallacy</name>

<antonym>Veracity</antonym>

<synonym>delusion</synonym>

</word>

</thesarus>

**XSD CODE:**

<xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified" xmlns[:xs="h](http://www.w3.org/2001/XMLSchema)ttp:/[/www.w3.org/2001/XMLSchema](http://www.w3.org/2001/XMLSchema)">

<xs:element name="thesarus">

<xs:complexType>

<xs:sequence>

<xs:element name="word" maxOccurs="unbounded" minOccurs="0">

<xs:complexType>

<xs:sequence>

<xs:element type="xs:string" name="name"/>

<xs:element type="xs:string" name="antonym"/>

<xs:element type="xs:string" name="synonym"/>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:sequence>

</xs:complexType>

</xs:element>

</xs:schema>

1. XSL

Create an employee information system using XML and display the employee number and name of employees with salary greater than Rs. 100000 p/m. with XSL.

**XML Code:**

<?xml version="1.0"?>

<?xml-stylesheet type="text/xsl" href="lab10.xsl"?>

<employeeList>

<employee>

<number>1</number>

<name>a</name>

<salary>230000</salary>

</employee>

<employee>

<number>2</number>

<name>b</name>

<salary>430000</salary>

</employee>

<employee>

<number>3</number>

<name>c</name>

<salary>12000</salary>

</employee>

<employee>

<number>4</number>

<name>d</name>

<salary>240000</salary>

</employee>

<employee>

<number>5</number>

<name>e</name>

<salary>50000</salary>

</employee>

</employeeList>

**XSL CODE:**

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

<xsl:stylesheet version="1.0" xmlns:xsl="<http://www.w3.org/1999/XSL/Transform>">

<xsl:template match="/">

<html>

<style> table,tr,td {

border:1px solid blue;

}

</style>

<body>

<table>

<tr>

<th>Number</th>

<th>Name</th>

<th>Salary</th>

</tr>

<xsl:for-each select="employeeList/employee">

<xsl:if test="salary>100000">

<tr>

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

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

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

</tr>

</xsl:if>

</xsl:for-each>

</table>

</body>

</html>

</xsl:template>

</xsl:stylesheet>

