

Experiment - VIII

Aim : MAP (XML) to store food item details and create a stylesheet using XSLT.

Theory :

- * An XML schema describes the structure of an XML element. The purpose of XML schema is to define the legal building blocks of an XML document.
 - ↳ The elements and attributes that can appear in a document.
 - ↳ The number of child elements
 - ↳ data types for elements and attributes
- * XSLT is a language for transforming XML documents into other XML documents or other formats such as HTML for web page, plain text or XSL formatting object.

→ Structure.xml

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

<breakfast_menu >

 <food>

 <name> Belgian Waffles </name>

 <price> Rs. 5.95 </price>

 <description> maple syrup </description>

 <calories> 650 </calories>

 </food>

 <food>

 <name> Strawberry Belgian Waffles </name>

 <price> Rs 7.95 </price>

```

    <description> Whipped cream </description>
    <calories> 900 </calories>
  </food>
  <food>
    <name> Berry-Berry Belgian Waffles </name>
    <price> Rs. 8.95 </price>
    <description> Whipped Cream </description>
    <calories> 900 </calories>
  </food>
  <food>
    <name> French Toast </name>
    <price> Rs 4.50 </price>
    <description> Dough bread </description>
    <calories> 600 </calories>
  </food>
</breakfast_menu>

```

stock.xsl

```

<?xml version="1.0" encoding="UTF-8">
<body>
  <h2><center> Food Structure </center></h2>
  <table>
    <tr>
      <th> Name </th>
      <th> Price </th>
      <th> Description </th>
      <th> Calories </th>
    </tr>

```

```
<xsl:for-each select = "breakfast_menu/food" >
```

```
<tr>
```

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

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

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

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

```
</tr>
```

```
</xsl:for-each>
```

```
</table>
```

```
</body>
```

```
</html>
```

Result : Successfully wrote a program to store food item details and create a styled sheet using XSLT.