

Experiment NO: 3

Aim: XML & CSS

Problem Statement: WAP to design book catalog by using XML & CSS to display title, author, price & year of the book

SW & HW: Notepad, Any Browser

Theory:

- XML stands for extensible Markup language. It is nothing but text-based marked up language
- XML tags identify data & used to store & organize data rather than specify how to display it like HTML tags which are used to display data.
- characteristics -
 - (1) extensible
 - (2) carries data, does not present it
 - (3) Public standard

Technology: The XML document have XML declaration but it is optional. `<? XML version = '1.0' encoding = 'UTF-8' ? >` each XML element needs to be closed either with start or end elements as shown
`<element > - - - </element >`

XML document can have only one root element
`<root > <x > - - - </x > <y > - - - </y > </root >`

XML Attributes: Using a name/value pair, attribute specifies a single property for an element. An XML element can have one or more attribute.

```
<a href = 'http://www.google.com' > XML Tutorial </a>
```

Design Steps:

- 1] write XML code in notepad & save with .xml extension.
- 2] write CSS code in notepad & save with .css extension
- 3] import CSS file in XML page
- 4] open XML page in browser

Conclusion:

Hence, we have design static web pages using XML & CSS.

Program:

```
<?xml version="1.0" encoding="UTF-8"?>
<?xml-stylesheet type="text/css" href="ass3.css"?>
<CATALOG>
<BOOK>
<TITLE>Database Management System</TITLE>
<AUTHOR>Korth</AUTHOR>
<PRICE>500</PRICE>
<YEAR>1985</YEAR>
</BOOK>
<BOOK>
<TITLE>Computer Network</TITLE>
<AUTHOR>Tenenbaum</AUTHOR>
<PRICE>600</PRICE>
<YEAR>1985</YEAR>
</BOOK>
<BOOK>
<TITLE>Software Engineering and project Management</TITLE>
<AUTHOR>Roger Pressman</AUTHOR>
<PRICE>600</PRICE>
<YEAR>1985</YEAR>
</BOOK>
</CATALOG>
```

.css file:

BOOK {

Display: block;

margin-left:0;

magin-bottom: 30pt;

}

CATALOG {

Width:100%;

background-color: #ffffff;

}

TITLE {

Color: #ff0000;

display: block;

font-size: 20pt;

}

AUTHOR {

display: block;

color: #0000ff;

font-size: 20pt;

}

YEAR, PRICE {

Color:#000000;

Display: block;

Margin-left: 20pt;

}