

Assignment No - 3

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Title -

XML and CSS.

Problem statement - Write a program to design book catalog by using XML and CSS to display title, author, price, and year of the book.

Outcomes : 1. Design static Webpage XML
2. Apply CSS to XML pages.

Software & Hardware Requirements :
Notepad, Any Browser.

Theory - Concept.

XML Stands for Extensible Markup Language. It is nothing but the text-based markup language which is derived from standard, generalized markup languages.

XML tags identify the data and are used to store and organize the data,

rather than specifying how to display it like HTML tags, which are used to

how to display like HTML tags, which is used to display data. XML not going to replace HTML in near future, but it's introduce new possibilities by adopting many successful features HTML.

Solution -

- XML is extensible - XML allows you to create your own self-descriptive tags, or language, that suite your application.
- XML carries the data, does not present it - XML allows you to store the data irrespective of how it will be presented.

Technology / Tool - :

The XML document have an XML declaration, but it is optional, and it is written as.

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

where version is nothing but the version of an XML document and UTF specifies the character encoding used in the documents.

Each XML - element needs to be closed, either with start or end elements as shown below -

```
<element> ----- </element>
```

An XML document can have only one root element.

```
<root>  
  <x> ..... </x>  
  <y> ..... </y>  
</root>
```

Design / Execution steps.

Following steps are used to create and execute web application.

1. write the XML code in notepad and save with .xml extension.
2. write the CSS code in notepad and save with .css extension.
3. import CSS files in XML pages.
4. open XML page in the browser.

Test Cases

Manual testing is used to check whether CSS gets applied or not.

Conclusion → Hence, we have designed static web pages using XML and CSS.