

PRACTICAL : 04

OBJECTIVE: Writing program in XML for creation of DTD. Create a style sheet in CSS/ XSL & display the document in internet explorer.

THEORY: The Extensible Markup Language (XML) is a simple text-based format for representing structured information: documents, data, configuration, books, transactions, invoices, and much more. It was derived from an older standard format called SGML (ISO 8879), in order to be more suitable for Web use.

What is XML Used For?

XML is one of the most widely-used formats for sharing structured information today: between programs, between people, between computers and people, both locally and across networks.

DTD stands for **Document Type Definition**. It defines the legal building blocks of an XML document. It is used to define document structure with a list of legal elements and attributes.

Purpose of DTD

Its main purpose is to define the structure of an XML document. It contains a list of legal elements and define the structure with the help of them.

Checking Validation

Before proceeding with XML DTD, you must check the validation. An XML document is called "well-formed" if it contains the correct syntax.

SOURCE CODE:

XML:

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

<?xml-stylesheet type="text/css" href="lab.css" ?>

<root>

    <book-name>My XML Book</book-name>

    <book-author>RoseIndia</book-author>

    <short-desc>This book is good for beginners in XML. This book helps beginners to learn XML easily and use XML concepts in their real development.</short-desc>

</root>
```

CSS:

```
root {
```

```
font-family: 'Helvetica', sans-serif;

background-color: #f8f8f8;

padding: 20px;

border: 2px solid #ccc;

border-radius: 8px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);
}

book-name {

    font-size: 1.5em;

    font-weight: bold;

    color: #333;

    text-decoration: underline;
}

book-author {

    font-style: italic;

    color: #555;
}

short-desc {

    margin-top: 15px;

    color: #666;
}

short-desc {

    padding: 10px;

    background-color: #fff;

    border: 1px solid #ddd;

    border-radius: 4px;
}
```

```
book-name:hover {  
    color: #e44d26;  
}
```

OUTPUT:

