

### Experiment:3

Aim: Write an XML file which will display the Book information which includes the following:

Title of the book, Author Name, ISBN number, Publisher name, Edition and Price.

Validate the above document using DTD

#### Source-Code :

##### Internal.DTD:

```
<?xml version="1.0" ?>

<!DOCTYPE bookstore [

<!ELEMENT bookstore (book+) >

<!ELEMENT book (title,author+,isbn,pub,edi,price?) >

<!ELEMENT title (#PCDATA) >

<!ELEMENT author (#PCDATA) >

<!ELEMENT isbn (#PCDATA) >

<!ELEMENT pub (#PCDATA) >

<!ELEMENT edi (#PCDATA) >

<!ELEMENT price (#PCDATA) >

] >

<bookstore>

<book>

<Title>HTML5</Title>

<author>Dr.mohan</author>

<isbn>923-145-3456</isbn>

<pubshiler>dreamTech</pubshiler>

<edition>2019</edition>

<price>849</price>

</book>

<book>

<Title>AI</Title>

<author>Dr.praveen</author>

<isbn>912-145-34789</isbn>

<pubshiler>wrox</pubshiler>
```

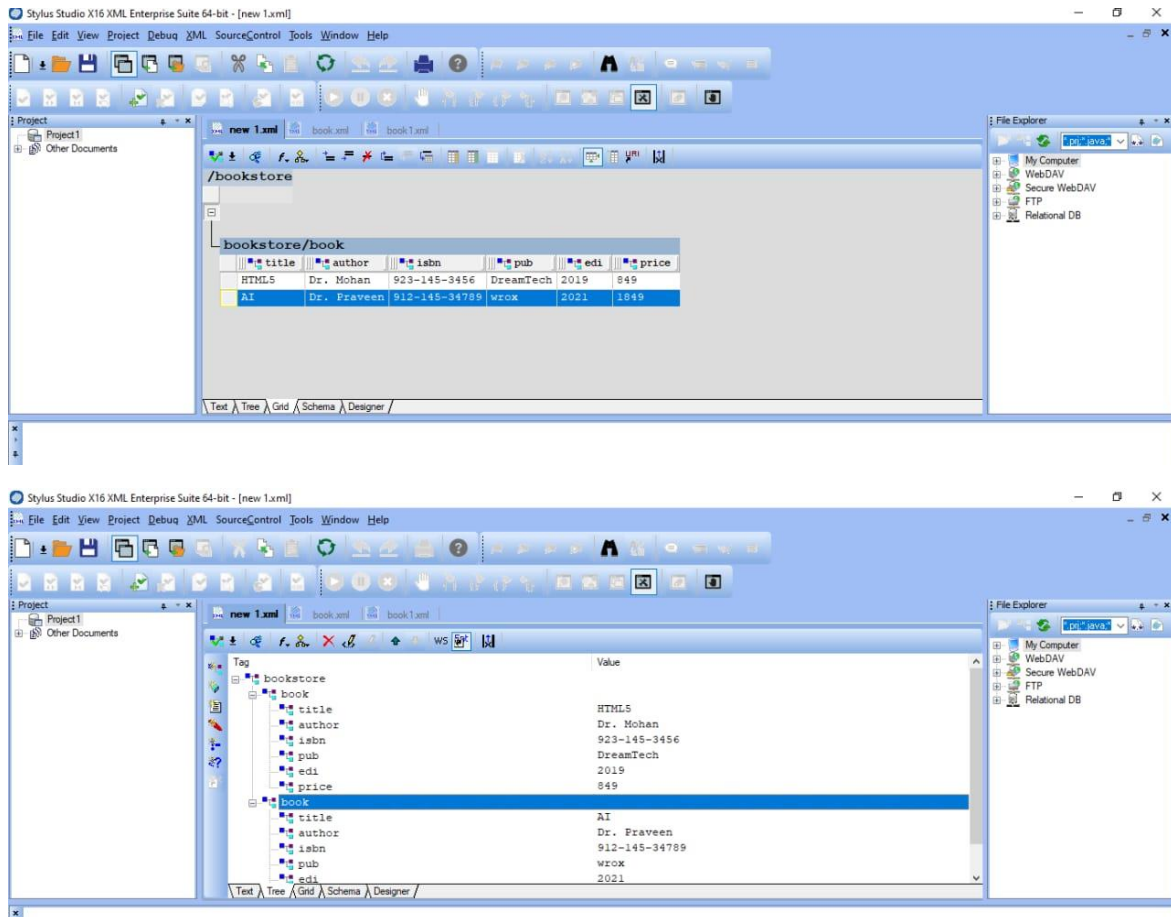
<edition>2021</edition>

<price>1849</price>

</book>

</bookstore>

### Output:



### External-DTD using PRIVATE book.dtd:

<!ELEMENT bookstore (book+) >

<!ELEMENT book (title,author+,isbn,pub,edi,price?) >

<!ELEMENT title (#PCDATA) >

<!ELEMENT author (#PCDATA) >

<!ELEMENT isbn (#PCDATA) >

<!ELEMENT publication (#PCDATA) >

<!ELEMENT edition (#PCDATA) >

<!ELEMENT price (#PCDATA) >

**Externaldtdprivate:**

<?xml version="1.0"?>

<bookstore>

<book>

<Title>HTML5</Title>

<author>Dr.mohan</author>

<isbn>923-145-3456</isbn>

<pubshiler>dreamTech</pubshiler>

<edition>2019</edition>

<price>849</price>

</book>

<book> <Title>AI</Title>

<author>Dr.praveen</author>

<isbn>912-145-34789</isbn>

<pubshiler>wrox</pubshiler>

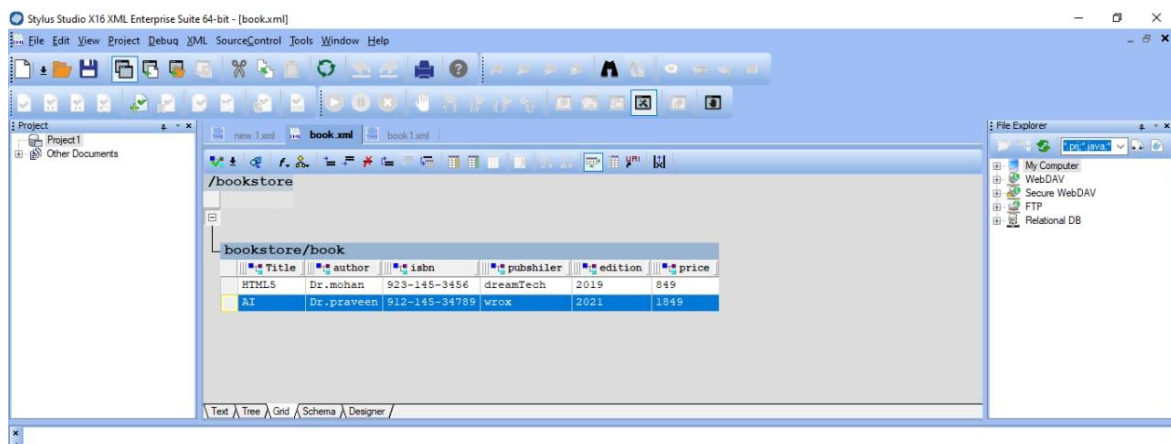
<edition>2021</edition>

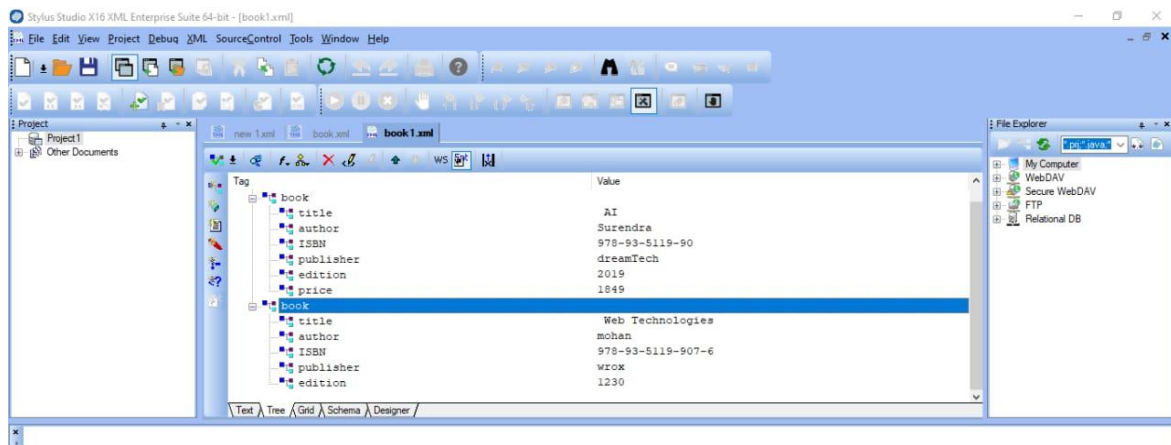
<price>1849</price>

</book>

</bookstore>

**Output:**





### Book.dtd:

<!ELEMENT bookstore (book+) >

<!ELEMENT book (title,author+,isbn,pub,edi,price?) >

<!ELEMENT title (#PCDATA) >

<!ELEMENT author (#PCDATA) >

<!ELEMENT isbn (#PCDATA) >

<!ELEMENT publication (#PCDATA) >

<!ELEMENT edition (#PCDATA) >

<!ELEMENT price (#PCDATA) >

### Externaldtdpublic:

<?xml version="1.0" ?>

<!DOCTYPE bookstore PUBLIC "-//Surendra/1.0/EN" "book.dtd" >

<bookstore>

<book>

<title> AI</title>

<author>Surendra</author>

<ISBN>978-93-5119-90</ISBN>

<publisher>dreamTech</publisher>

<edition>2019</edition>

<price>1849</price>

</book>

<book>

<title> Web Technologies</title>

<author>mohan</author>

<ISBN>978-93-5119-907-6</ISBN>

<publisher>wrox</publisher>

<edition>1230</edition>

</book>

</bookstore>

### Output:

The first screenshot shows the XML data in a tree view. The root element is 'bookstore', which contains two 'book' elements. Each 'book' element has attributes 'Title', 'author', 'ISBN', 'publisher', 'edition', and 'price'.

Tag	Value
bookstore	
book	
Title	HTML5
author	Dr.mohan
ISBN	923-145-3456
publisher	dreamTech
edition	2019
price	849
book	
Title	AI
author	Dr.praveen
ISBN	912-145-34789
publisher	wrox
edition	2021

The second screenshot shows the same XML data in a visual representation. The root element is '/bookstore', which contains a 'bookstore/book' element. The 'bookstore/book' element has a table with columns 'title', 'author', 'ISBN', 'publisher', 'edition', and 'price'.

title	author	ISBN	publisher	edition	price
AI	Surendra	978-93-5119-90	dreamTech	2019	1049
Web Technologies	mohan	978-93-5119-907-6	wrox	1230	