5. Create an xml for the bookstore. Validate the same using both DTD and XSD.

Aim:

☛ **Create an xml for the bookstore. Validate the same using both DTD and XSD.**

Solution :

☛ **XML data to validate:**

bookstore.xml

```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE bookstore[
<!ELEMENT bookstore (book+)>
<!ELEMENT book (title, author, price)>
<!ELEMENT title (#PCDATA)>
<!ELEMENT author (#PCDATA)>
<!ELEMENT price (#PCDATA)>
]>
<bookstore>
<book>
<title>Introduction to XML</title>
<author>John Doe</author>
<price>29.99</price>
</book>
<book>
<title>Programming with XML</title>
<author>Jane Smith</author>
<price>39.99</price>
</book>
</bookstore>
```

☛ **XML schema (XSD) data:**

bookstore.xsd

```xml
<?xml version="1.0" encoding="UTF-8"?>
<xs:schema xmlns:xs="http://www.w3.org/2001/XMLSchema"
       targetNamespace="http://example.com"
       xmlns="http://example.com">
<xs:element name="root">
<xs:complexType>
<xs:sequence>
<xs:element name="bookstore" type="bookstoreType"/>
</xs:sequence>
</xs:complexType>
</xs:element>

<xs:complexType name="bookstoreType">
<xs:sequence>
<xs:element name="book" type="bookType" minOccurs="0" maxOccurs="unbounded"/>
</xs:sequence>
</xs:complexType>
<xs:complexType name="bookType">
<xs:sequence>
<xs:element name="title" type="xs:string"/>
<xs:element name="author" type="xs:string"/>
<xs:element name="price" type="xs:decimal"/>
</xs:sequence>
</xs:complexType>
</xs:schema>
```

To Check the Validity :

1. Go to the below link, https://www.liquid-technologies.com/online-xsd-validator

2. Place the **XML code** in the XML Validate.

3. Place the **XSD code** in the XML Schema Data.

4. Then click the **validate** Button.

5. Then it will show the Document as Valid.