**Ex. 1:**

Create a DTD XML file for bookstore.

The bookstore has booklist and the booklist can contain multiple books.

The book should contain the following information type, author, publisher, published\_year and ISBN.

The book examples are:

|  |  |
| --- | --- |
| Book1 | type: Fantasy Book  title: Harry Potter and the Prisoner of Azkaban  author: J. K. Rowling  publisher: Bloombury  published\_year: 1999  ISBN: 0-7475-4629-0 |
| Book2 | type: Technical Books  title: Essestial XML for Web Professionals  author: Dan Livingston  publisher: Prentice Hall  published\_year: 2001  ISBN: 0-13-066254-2 |

Add three attribute types for the book elements:

1. A required attribute (publishertype) to the publisher element.
2. An optional attribute (category) to the type element
3. A fixed attribute (year) to have the published\_year 2017

Validate the DTD file using <http://xmlvalidator.new-studio.org/>

**Ex 2:**

Create the bookstore with the books elements as described above using XML schema

Create an XML schema and save the file .xsd

Create an XML file to validate the XML schema

Validate the XSD and XML file using <http://xmlvalidator.new-studio.org/>

**Ex 3:**

Add three attribute types for the book elements as described in Ex 1 to the XML schema xsd file.

Validate the XSD and XML file using <http://xmlvalidator.new-studio.org/>