

Course Faculty: Ms.S.P.Panimalar

Course : Web Technology

Class: III IT / V Semester

Teaching Unit : Unit V/ XML

Activity:

Analysing and building a XML document.

Learning Outcome:

In this activity, the students will structure some data into XML format.

Problem statement:

Use the following information to create an XML document structure. There are no "correct" tags you must use, but you must ensure that the document is well-formed. Write your code in the space provided next to the data (use a separate sheet of paper if necessary).

book id

author

title

genre

price

publish_date

description

Evaluation:

After students have completed, the document will be examined to see whether it is well-formed with the structure of the document tree.

Sample Code:

```
<?xml version="1.0"?>
<catalog>
  <book id="bk101">
    <author>Gambardella, Matthew</author>
    <title>XML Developer's Guide</title>
    <genre>Computer</genre>
    <price>44.95</price>
    <publish_date>2000-10-01</publish_date>
    <description>An in-depth look at creating applications
with XML.</description>
  </book>
  <book id="bk102">
    <author>Ralls, Kim</author>
    <title>Midnight Rain</title>
    <genre>Fantasy</genre>
    <price>5.95</price>
    <publish_date>2000-12-16</publish_date>
    <description>A former architect battles corporate zombies,
an evil sorceress, and her own childhood to become queen
of the world.</description>
  </book>
  <book id="bk103">
    <author>Corets, Eva</author>
    <title>Maeve Ascendant</title>
    <genre>Fantasy</genre>
    <price>5.95</price>
    <publish_date>2000-11-17</publish_date>
    <description>After the collapse of a nanotechnology
society in England, the young survivors lay the
foundation for a new society.</description>
  </book>
  <book id="bk104">
    <author>Corets, Eva</author>
    <title>Oberon's Legacy</title>
    <genre>Fantasy</genre>
    <price>5.95</price>
    <publish_date>2001-03-10</publish_date>
    <description>In post-apocalypse England, the mysterious
agent known only as Oberon helps to create a new life
for the inhabitants of London. Sequel to Maeve
Ascendant.</description>
```

```
</book>
<book id="bk105">
  <author>Corets, Eva</author>
  <title>The Sundered Grail</title>
  <genre>Fantasy</genre>
  <price>5.95</price>
  <publish_date>2001-09-10</publish_date>
  <description>The two daughters of Maeve, half-sisters,
  battle one another for control of England. Sequel to
  Oberon's Legacy.</description>
</book>
<book id="bk106">
  <author>Randall, Cynthia</author>
  <title>Lover Birds</title>
  <genre>Romance</genre>
  <price>4.95</price>
  <publish_date>2000-09-02</publish_date>
  <description>When Carla meets Paul at an ornithology
  conference, tempers fly as feathers get ruffled.</description>
</book>
<book id="bk107">
  <author>Thurman, Paula</author>
  <title>Splish Splash</title>
  <genre>Romance</genre>
  <price>4.95</price>
  <publish_date>2000-11-02</publish_date>
  <description>A deep sea diver finds true love twenty
  thousand leagues beneath the sea.</description>
</book>
<book id="bk108">
  <author>Knorr, Stefan</author>
  <title>Creepy Crawlies</title>
  <genre>Horror</genre>
  <price>4.95</price>
  <publish_date>2000-12-06</publish_date>
  <description>An anthology of horror stories about roaches,
  centipedes, scorpions and other insects.</description>
</book>
</catalog>
```

Screenshot of Output:

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
+<catalog></catalog>
```

After Expanding the document tree, Structure obtained :

This XML file does not appear to have any style information associated with it. The document tree is shown below.

```
<-catalog>
  <-book id="bk101">
    <author>Gambardella, Matthew</author>
    <title>XML Developer's Guide</title>
    <genre>Computer</genre>
    <price>44.95</price>
    <publish_date>2000-10-01</publish_date>
    <-description>
      An in-depth look at creating applications with XML.
    </description>
  </book>
  <-book id="bk102">
    <author>Ralls, Kim</author>
    <title>Midnight Rain</title>
    <genre>Fantasy</genre>
    <price>5.95</price>
    <publish_date>2000-12-16</publish_date>
    <-description>
      A former architect battles corporate zombies, an evil sorceress, and her own childhood to become queen of the world.
    </description>
  </book>
  <-book id="bk103">
    <author>Corets, Eva</author>
    <title>Maeve Ascendant</title>
    <genre>Fantasy</genre>
    <price>5.95</price>
    <publish_date>2000-11-17</publish_date>
    <-description>
      After the collapse of a nanotechnology society in England, the young survivors lay the foundation for a new society.
    </description>
  </book>
  <-book id="bk104">
    <author>Corets, Eva</author>
    <title>Oberon's Legacy</title>
```

```
<publish_date>2001-03-10</publish_date>
</description>
  In post-apocalypse England, the mysterious agent known only as Oberon helps to create a new life for the inhabitants of London. Sequel to Maeve Ascendant.
</description>
</book>
<book id="bk105">
  <author>Corets, Eva</author>
  <title>The Sundered Grail</title>
  <genre>Fantasy</genre>
  <price>5.95</price>
  <publish_date>2001-09-10</publish_date>
  </description>
  The two daughters of Maeve, half-sisters, battle one another for control of England. Sequel to Oberon's Legacy.
  </description>
</book>
<book id="bk106">
  <author>Randall, Cynthia</author>
  <title>Lover Birds</title>
  <genre>Romance</genre>
  <price>4.95</price>
  <publish_date>2000-09-02</publish_date>
  </description>
  When Carla meets Paul at an ornithology conference, tempers fly as feathers get ruffled.
  </description>
</book>
<book id="bk107">
  <author>Thurman, Paula</author>
  <title>Splish Splash</title>
  <genre>Romance</genre>
  <price>4.95</price>
  <publish_date>2000-11-02</publish_date>
  </description>
  A deep sea diver finds true love twenty thousand leagues beneath the sea.
  </description>
</book>
<book id="bk108">
  <author>Knorr, Stefan</author>
  <title>Creepy Crawlies</title>
```
