

Look at each example and answer the question(s) for each.

Example 1:

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Prod xmlns="http://www.w3.org/TR/html4/" xmlns:furn="http://www.w3schools.com/furniture"
>
  <table>
    <tr>
      <td>Apples</td>
      <td>Bananas</td>
    </tr>
  </table>
  <furn:table>
    <furn:name>African Coffee Table</furn:name>
    <furn:width>80</furn:width>
    <furn:length>120</furn:length>
  </furn:table>
</Prod>
```

A. What is the default namespace in Example 1?

`http://www.w3.org/TR/html4/`

B. What is the variable/prefix being used for the namespace found at URI `http://www.w3schools.com/furniture` in Example 1?

`furn`

C. Re-write Example 1. Use namespaces for each required parent which will allow the child to inherit the namespace of the parent.

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<Prod xmlns="http://www.w3.org/TR/html4/">
  <table>
    <tr>
      <td>Apples</td>
      <td>Bananas</td>
    </tr>
  </table>
  <table xmlns="http://www.w3schools.com/furniture">
    <name>African Coffee Table</name>
    <width>80</width>
    <length>120</length>
  </table>
</Prod>
```

Chapter 3 Exercise

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Example 2:

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

<phonebook xmlns:contact="http://www.mycompany.com/xml/phonebook/"
xmlns:dept="http://www.mycompany.com/xml/departments">
  <contact:individual id="001">
    <contact:name>
      <contact:title>Mr.</contact:title>
      <contact:first>John</contact:first>
      <contact:last>Smith</contact:last>
      <contact:address>
        <contact:street>20000 68th Ave. W.</contact:street>
        <contact:city>Lynnwood</contact:city>
        <contact:zip>98036</contact:zip>
        <dept:department>Registration</dept:department>
        <contact:phone>(425) 640-1500</contact:phone>
        <dept:title>Department Head</dept:title>
      </contact:address>
    </contact:name>
  </contact:individual>
</phonebook>
```

D. In Example 2, what is the URI being used as the default namespace?

<http://www.mycompany.com/xml/phonebook/>

E. What element(s) is/are being using the namespace found at <http://www.mycompany.com/xml/departments>?

department, title

F. Rewrite Example 2 to reflect a default namespace and a referenced namespace.

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

<phonebook xmlns="http://www.mycompany.com/xml/phonebook/"
xmlns:dept="http://www.mycompany.com/xml/departments">
  <individual id="001">
    <name>
      <title>Mr.</title>
      <first>John</first>
      <last>Smith</last>
      <address>
        <street>20000 68th Ave. W.</street>
        <city>Lynnwood</city>
        <zip>98036</zip>
        <dept:department>Registration</dept:department>
        <phone>(425) 640-1500</phone>
        <dept:title>Department Head</dept:title>
      </address>
    </name>
  </individual>
</phonebook>
```

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G. You are to create a XML document using two namespaces. Each class will be held in SNH 124. Use the following data in creating your XML document.

DTD located at URI: http://www.xmlExample.com/classrooms/ :		
Building	Classroom	Description
SNH	124	Specialized computer lab

DTD located at URI: http://www.xmlExample.com/courses/ :		
Course	Date	Credits
CIS 253	Saturday	5
CIS 250	Saturday	5
CIS 260	Monday & Wednesday	5

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

```
<schedule>
```

```
<roominfo:classrooms xmlns:roominfo="http://www.xmlExample.com/classrooms/">
```

```
<roominfo:building >SNH</roominfo:building>
```

```
<roominfo:classroom>124</roominfo:classroom>
```

```
<roominfo:description>Specialized computer lab</roominfo:description>
```

```
<courses>
```

```
<class xmlns="http://www.xmlExample.com/courses">
```

```
<course>CIS 253</course>
```

```
<date>Saturday</date>
```

```
<credits>5</credits>
```

```
</class>
```

```
<class xmlns="http://www.xmlExample.com/courses">
```

```
<course>CIS 250</course>
```

```
<date>Saturday</date>
```

```
<credits>5</credits>
```

```
</class>
```

```
<class xmlns="http://www.xmlExample.com/courses">
```

```
<course>CIS 260</course>
```

```
<date>Monday & Wednesday</date>
```

```
<credits>5</credits>
```

```
</class>
```

```
</courses>
```

```
</roominfo:classrooms>
```

```
</schedule>
```