XSL

Lecture 25

XSL Parameters

- `<xsl:param>`
- `<xsl:param name="phone">555-1234</xsl:param>`

Looks the same as a variable

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Variable vs. Param

- **Variables**
  - Constants (values cannot be changed)
  - Only way they can be changed is by declaring it inside of a for-each loop, in which case its value is updated for each iteration.

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Variable Example

```xml
<xsl:variable name="mailLink">
  <a href="mailto:{$email}">
    <xsl:value-of select="$email"/>
  </a>
</xsl:variable>
```

Notice the use of { and }
- Used because XML will not allow you to nest angle brackets <>
- If you tried to use value-of instead of { } then you would get an error

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Continued

Finally, notice that the above variable has tags in it. It has the anchor tag `<a>`
To copy this variable value, it would look like this

```xml
<p>Please contact us at <xsl:copy-of select="$mailLink"/></p>
```

Notice the use of copy-of
- Use copy-of when there are elements (tags) as part of the value of a variable.
**XSL Attributes**

- `<book id="1234567">`  
  - `<author></author>`  
- `<book id="7654321">`  
  - `<author></author>`  
- `<book>`  

Select the ID of each book

- `<xsl:for-each select="book">`  
  - `<b><xsl:value-of select="@id" /></b>`  
  - `<xsl:for-each>`

Use the @ symbol to access attribute values

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**Create a Variable**

- **Variable Creation**
  - `<xsl:variable name="email">rjplotzbach@tech</xsl:variable>`
  - `<xsl:variable name="subject">Wrox Press</xsl:variable>`
  - `<xsl:variable name="address">123 N. South St.</xsl:variable>`

To get the value of the variable

- `<xsl:value-of select="$email" />`

Precede the variable name with $

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**Parameters**

- Assigned a value from `<xsl:with-param>`

- Can be assigned just like a variable (as in the preceding example), in which case, it behaves just like a variable.

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**Lab 11**

- If time permits...