CSC343 Worksheet 11 Solution

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1. a) **Notes:**

   - XLST
     - Also means **Extensible Stylesheet Language for Transformation**
     - Allows to transform XML documentes into HTML
     - Is another language
   - XLST Basics

     Syntax:

     <? xml version = "1.0" encoding = "utf-8"?>
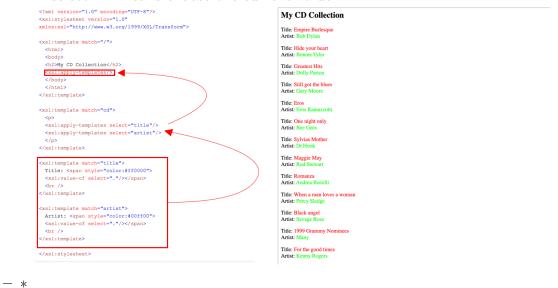   <xsl:stylesheet xmlns:xsl = "http://www.w3.org/1999/ISL/Transform">
       ...
     </xsl:stylesheet>

   - Templates

     Example:

     ```
     1    <? xml version = "1.0" encoding = "utf-8"?>
     2    <xsl:stylesheet xmlns:xsl = "http://www.w3.org/1999/ISL/
          Transform">
     3        <xsl:template match = "/">
     4            <HTML>
     5                <BODY>
     6                    <B>This is text</b>
     7                </body>
     8            </html>
     9        </xsl:template>
     10   </xsl:stylesheet>
     11
     ```

   - Obtaining values from XML Data
     - value-of
       * Is used to extract the value of a selected node.
       * **Syntax:** <xsl value-of select = *"expression"* />

         Example:

```
1    <? xml version = "1.0" encoding = "utf-8"?>
2    <xsl:stylesheet xmlns:xsl = "http://www.w3.org/1999/ISL/
     Transform">
3        <xsl:template match="/Movies/Movie">
4            <xsl:value-of select = "@title"/>
5        </xsl:template>
6    </xsl:stylesheet>
7
```

− apply-templates
  * applies a <xls:template> to the current element or to the current element's
    child nodes.
    · select='.' means choose the current value

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