
XSLT

L3 Info & L3 MIASHS

TP3 – Corrigé

Exercice 1.

Question 1.

exo1-q1.xsl

```
<?xml version='1.0' encoding='UTF-8'?>
<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns="http://www.w3.org/1999/xhtml"
>
<xsl:output method="html" encoding="UTF-8"/>

<xsl:template match="/">
  <html xmlns="http://www.w3.org/1999/xhtml">
    <body>
      <h3>Un club de Ligue 1 <br/> saison <xsl:value-of select="(/
        championnat/@annee)-1"/><xsl:value-of select="/
        championnat/@annee"/> :</h3>
      <p>
        <xsl:value-of select="..ville[1]"/>
      </p>
    </body>
  </html>
</xsl:template>

</xsl:stylesheet>
```

Question 2.

exo1-q2.xsl

```
<?xml version='1.0' encoding='UTF-8'?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/
  Transform">
  <xsl:output method="xml" indent="yes"/>

  <xsl:template match="club">
    <club>
      <xsl:attribute name="id"><xsl:value-of select="@id"/></
        xsl:attribute>
      <nom><xsl:value-of select="nom"/></nom>
      <ville><xsl:value-of select="ville"/></ville>
    </club>
  </xsl:template>

  <xsl:template match="/">
    <clubs>
      <xsl:apply-templates select="championnat/clubs/club"/>
    </clubs>
  </xsl:template>
```

```
</xsl:stylesheet>
```

Question 3.

exo1-q3.xsl

```
<?xml version="1.0" encoding="utf-8"?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/
  Transform">
  <xsl:output method="html" encoding="UTF-8" doctype-public="-//W3C//DTD
    HTML 4.01//EN" doctype-system="http://www.w3.org/TR/html4/strict.dtd"
    indent="yes"/>

  <xsl:template match="club">
    <tr>
      <td><xsl:value-of select="ville"/></td>
      <td><xsl:value-of select="nom"/></td>
    </tr>
  </xsl:template>

  <xsl:template match="/">
    <html>
      <head>
        <title>Exercice 1 — Question 3</title>
      </head>
      <body>
        <h2>Les clubs de Ligue 1 <br/>
          saison 2014-2015
        </h2>
        <table border="1">
          <thead>
            <tr>
              <th>ville</th>
              <th>club</th>
            </tr>
          </thead>
          <tbody>
            <xsl:for-each select="championnat/clubs/club">
              <xsl:sort select="ville"/>
              <xsl:apply-templates select="."/>
            </xsl:for-each>
          </tbody>
        </table>
      </body>
    </html>
  </xsl:template>
</xsl:stylesheet>
```

Question 4.

exo1-q4.xsl

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

  <xsl:template match="/">
    <xsl:call-template name="get-journee">
      <xsl:with-param name="n" select="18"/>
    </xsl:call-template>
  </xsl:template>
```

```

</xsl:template>

<xsl:template name="get-journee">
  <xsl:param name="n"/>
  <xsl:copy-of select="championnat/journees/journee[@num=$n]"/>
</xsl:template>

</xsl:stylesheet>

```

Question 5.

ex01-q5.xsl

```

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

  <xsl:template name="get-nom-club">
    <xsl:param name="id"/>
    <xsl:value-of select="../../../../clubs/club[@id=$id]/nom"/>
  </xsl:template>

  <xsl:template match="club">
    <club>
      <xsl:variable name="id"><xsl:value-of select="@id"/></xsl:variable>
      <nom><xsl:value-of select="nom"/></nom>
      <ville><xsl:value-of select="ville"/></ville>
      <rencontres>
        <domicile>
          <xsl:for-each select="../../../../journees/journee/rencontre[
receveur = $id]">
            <rencontre>
              <club>
                <xsl:call-template name="get-nom-club">
                  <xsl:with-param name="id" select="invite
"/>
                </xsl:call-template>
              </club>
              <score><xsl:value-of select="score"/></score>
            </rencontre>
          </xsl:for-each>
        </domicile>

        <exterieur>
          <xsl:for-each select="../../../../journees/journee/rencontre[
invite = $id]">
            <rencontre>
              <club>
                <xsl:call-template name="get-nom-club">
                  <xsl:with-param name="id" select="
receveur"/>
                </xsl:call-template>
              </club>
              <score><xsl:value-of select="score"/></score>
            </rencontre>
          </xsl:for-each>
        </exterieur>
      </rencontres>
    </club>

```

```

</xsl:template>

<xsl:template match="/">
  <clubs>
    <xsl:apply-templates select="championnat/clubs/club"/>
  </clubs>
</xsl:template>

</xsl:stylesheet>

```

Question 6.

exo1-q6.xsl

```

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

  <xsl:template name="get-nom-club">
    <xsl:param name="id"/>
    <xsl:value-of select="../../../../clubs/club[@id=$id]/nom"/>
  </xsl:template>

  <xsl:template match="club">
    <club>
      <xsl:variable name="id"><xsl:value-of select="@id"/></xsl:variable>
      <xsl:attribute name="id"><xsl:value-of select="$id"/></xsl:attribute>
      <nom><xsl:value-of select="nom"/></nom>
      <ville><xsl:value-of select="ville"/></ville>
      <rencontres>
        <domicile>
          <xsl:for-each select="../../../../journees/journee/rencontre[
            receveur = $id]">
            <rencontre>
              <xsl:attribute name="num"><xsl:value-of select="
                ../../@num"/></xsl:attribute>
              <club>
                <xsl:call-template name="get-nom-club">
                  <xsl:with-param name="id" select="invite
                    " />
                </xsl:call-template>
              </club>
              <score><xsl:value-of select="score"/></score>
            </rencontre>
          </xsl:for-each>
        </domicile>

        <exterieur>
          <xsl:for-each select="../../../../journees/journee/rencontre[
            invite = $id]">
            <rencontre>
              <club>
                <xsl:call-template name="get-nom-club">
                  <xsl:with-param name="id" select="
                    receveur" />
                </xsl:call-template>
              </club>
            </rencontre>
          </xsl:for-each>
        </exterieur>
      </rencontres>
    </club>
  </xsl:template>

```

```

        </club>
        <score><xsl:value-of select="score"/></score>
    </rencontre>
</xsl:for-each>
</exterieur>
</rencontres>
</club>
</xsl:template>

<xsl:template match="/">
    <clubs>
        <xsl:apply-templates select="championnat/clubs/club"/>
    </clubs>
</xsl:template>

</xsl:stylesheet>

```

Exercise 2.

Question 1.

exo2-q1.xsl

```

<?xml version='1.0' encoding='UTF-8'?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/
Transform">
    <xsl:output method="xml" indent="yes"/>

    <xsl:template match="/">
        <xsl:copy-of select="."/>
    </xsl:template>

</xsl:stylesheet>

```

Question 2.

exo2-q2.xsl

```

<?xml version='1.0' encoding='UTF-8'?>
<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/
Transform">
    <xsl:output method="xml" indent="yes"/>

    <xsl:template match="node()|@*">
        <xsl:copy>
            <xsl:apply-templates select="node()|@*"/>
        </xsl:copy>
    </xsl:template>

    <xsl:template match="LIGHT"/>

</xsl:stylesheet>

```

Question 3.

exo2-q3.xsl

```

<?xml version='1.0' encoding='UTF-8'?>

```

```

<xsl:stylesheet version="1.0" xmlns:xsl="http://www.w3.org/1999/XSL/
Transform">
  <xsl:output method="xml" indent="yes"/>

  <xsl:template match="PLANT/node()|@*">
    <xsl:copy>
      <xsl:apply-templates select="node()|@*" />
    </xsl:copy>
  </xsl:template>

  <xsl:template match="PLANT/LIGHT"/>

  <xsl:template match="/">
    <CATALOG>
      <xsl:for-each select="/CATALOG/PLANT/LIGHT[not(.=preceding::*)]">
        >
          <xsl:variable name="light" select="."/>
          <LIGHT>
            <EXPOSURE><xsl:value-of select="$light"/></EXPOSURE>

            <xsl:for-each select="../../PLANT">
              <xsl:if test="LIGHT = $light">
                <PLANT>
                  <xsl:apply-templates select="."/>
                </PLANT>
              </xsl:if>
            </xsl:for-each>
          </LIGHT>
        </xsl:for-each>
      </CATALOG>
    </xsl:template>

  </xsl:stylesheet>

```