

## Lab No. 4: XSLT

1. Provide the result of the transformation

MALOUF constantinois

2. Modify it to obtain the list of all album titles and years of publications

- MALOUF constantinois - 1957
- Malouf moderne - 1986
- Malouf Annabi - 1999
- ASIMI - 1983
- R ligion - 1964
- KABYLE - 2000

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

  <xsl:template match="/CD">
    <html>
      <head>
        <title>XSLT</title>
      </head>
      <body>
        <h1>question 2 </h1>
        <ul>
          <xsl:for-each select="album">
            <li>
              <xsl:value-of select="titre"/>
              <xsl:text> - </xsl:text>
              <xsl:value-of select="@annee"/><br/>
            </li>
          </xsl:for-each>
        </ul>
      </body>
    </html>
  </xsl:template>
</xsl:stylesheet>
```

### 3. What does this transformation return?

a. Avant la transformation :

```
CD>
<artiste nom="Cheb Khaled"/>
<artiste nom="Souad Massi"/>
<artiste nom="Idir"/>
/CD>
```

b. Après:

```
<liste>
  <artiste>
    <nom>Cheb Khaled</nom>
  </artiste>
  <artiste>
    <nom>Souad Massi</nom>
  </artiste>
  <artiste>
    <nom>Idir</nom>
  </artiste>
</liste>
```

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <!-- Sortie au format XML -->
  <xsl:output method="xml" indent="yes" encoding="UTF-8"/>

  <!-- On commence à la racine -->
  <xsl:template match="/CD">
    <liste>
      <!-- Appliquer les templates à chaque artiste -->
      <xsl:apply-templates select="artiste"/>
    </liste>
  </xsl:template>

  <!-- Template : pour chaque artiste de mon fichier XML
  on veut transformer son attribut @nom en une balise <nom> -->
  <xsl:template match="artiste">

    <artiste>
      <nom>
        <xsl:value-of select="@nom"/>
      </nom>
    </artiste>

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

4. Modify it to obtain the list of only artistes (with their biography) from Constantine country

FIRGANI mohamed Taher : Ne a constantine, grand cahnteur de malouf

```
<ul>
  <xsl:for-each select="artiste[@ville='Constantine']">
    <li>
      <xsl:value-of select="@nom"/>
      <xsl:value-of select="biographie"/>
    </li>
  </xsl:for-each>
</ul>
```

5. Result:

## My CD Collection

Title	Artist	Country	Company	Price	Year
Empire Burlesque	Bob Dylan	USA	Columbia	10.90	1985
Hide your heart	Bonnie Tyler	UK	CBS Records	9.90	1988
Greatest Hits	Dolly Parton	USA	RCA	9.90	1982

6. Code:

Nom	Numero Ville	
FIRGANI mohamed Taher	a01	Constantine
BENANI Hamdi	a02	Annaba
ALHACHEMI GUARWABI	a03	Alger
IDIR	a04	TIZI OUZOU

```

<xsl:template match="/CD">
  <html>
    <head><title>Liste des artistes</title></head>
    <body>
      <table bgcolor="#ffef">
        <th>
          <td>Nom</td>
          <td>Numero</td>
          <td>Ville</td>
        </th>
        <xsl:apply-templates select="artiste"/>
      </table>
    </body>
  </html>
</xsl:template>
<xsl:template match="artiste">
  <tr bgcolor="#11ff">
    <td><xsl:value-of select="@nom"/></td>
    <td><xsl:value-of select="@no"/></td>
    <td><xsl:value-of select="@ville"/></td>
  </tr>
</xsl:template>

```

## 7. Using call-template:

Nom	Numero	Ville
FIRGANI mohamed Taher	a01	Constantine
BENANI Hamdi	a02	Annaba
ALHACHEMI GUARWABI	a03	Alger
IDIR	a04	TIZI OUZOU

8.

```

<xsl:template match="/CD">
  <html>
    <head><title>Liste des artistes</title></head>
    <body>
      <table border="1" bgcolor="#ffef">
        <tr>
          <th>Nom</th>

```

```
<th>Numero</th>
<th>Ville</th>
</tr>
<!-- Loop manually and call named template -->
<xsl:for-each select="artiste">
  <xsl:call-template name="afficher-artiste"/>
</xsl:for-each>
</table>
</body>
</html>
</xsl:template>

<!-- Named template for displaying one artist -->
<xsl:template name="afficher-artiste">
  <tr bgcolor="#ddffdd">
    <td><xsl:value-of select="@nom"/></td>
    <td><xsl:value-of select="@no"/></td>
    <td><xsl:value-of select="@ville"/></td>
  </tr>
</xsl:template>
</xsl:stylesheet>
```