

```
<bib>
  <book year="1994">
    <title>TCP/IP Illustrated</title>
    <author><last>Stevens</last><first>W.</first></author>
    <publisher>Addison-Wesley</publisher>
    <price> 65.95</price>
  </book>
  <book year="1999">
    <title>The Economics of Technology and Content for Digital TV</title>
    <editor>
      <last>Gerbarg</last><first>Darcy</first>
      <affiliation>CITI</affiliation>
    </editor>
    <publisher>Kluwer Academic Publishers</publisher>
    <price>129.95</price>
  </book>
  <book year="1992">
    <title>Advanced Programming in the Unix environment</title>
    <author><last>Stevens</last><first>W.</first></author>
    <publisher>Addison-Wesley</publisher>
    <price>65.95</price>
  </book>
  <book year="2000">
    <title>Data on the Web</title>
    <author><last>Abiteboul</last><first>Serge</first></author>
    <author><last>Buneman</last><first>Peter</first></author>
    <author><last>Suciu</last><first>Dan</first></author>
    <publisher>Morgan Kaufmann Publishers</publisher>
    <price>39.95</price>
  </book>
</bib>
```

```

<xsl:transform xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
                version="1.0">
  <xsl:template match='/'>
    <xsl:apply-templates/>
  </xsl:template>
  <xsl:template match='bib'>
    <Liste><xsl:apply-templates/></Liste>
  </xsl:template>
  <xsl:template match='book'>
    <Livre>
      <xsl:apply-templates select='editor' /> (ed) : "<xsl:value-of
select="title"/>"
    </Livre>
  </xsl:template>
  <xsl:template match='book[author]'>
    <Livre>
      <xsl:apply-templates /> : "<xsl:value-of select="title"/>"
    </Livre>
  </xsl:template>
  <xsl:template match='author|editor'>
    <xsl:value-of select="first"/>, <xsl:value-of select="last"/>;
  </xsl:template>
  <xsl:template match='*|@*|text()'>
  </xsl:template>
</xsl:transform>

```

```
<reports>
  <report>
    <title startTime="2003-05-15T10:30" endTime="2003-05-15T12:30">Procedure A</title>
    <content>
      The patient was taken to the operating room where she was placed in supine position and
      <anesthesia>induced under general anesthesia.</anesthesia>
      <prep>
        <action>A Foley catheter was placed to decompress the bladder</action>
        and the abdomen was then prepped and draped in sterile fashion.
        <action>The blood pressure was monitored</action>
        <action>The cardiac rhythm was monitored</action>
      </prep>
      <incision>
        A curvilinear incision was made
        <geography>in the midline immediately infraumbilical</geography>
        and the subcutaneous tissue was divided
        <instrument>using electrocautery.</instrument>
      </incision>
      The fascia was identified and
      <action>#2 0 Maxon stay sutures were placed on each side of the midline.</action>
      <incision>
        The fascia was divided using <instrument>electrocautery</instrument> and the
        peritoneum was entered.
      </incision>
      <observation>The small bowel was identified.</observation> and
      <action>
        the <instrument>Hasson trocar</instrument> was placed under direct visualization.
      </action>
      <action>
        The <instrument>trocar</instrument> was secured to the fascia using the stay sutures.
      </action>
    </content>
  </report>...
</reports>
```

Feuille XSLT 1

```
<xsl:transform version="1.0"
    xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

  <xsl:template match="/">
    <Solution><xsl:apply-templates/></Solution>
  </xsl:template>

  <xsl-templeate match="*">
    <xsl-apply-templates/>
  </xsl-templeate>

  <xsl-templeate match="text()" />

  <xsl-templeate match="@*" />
    <xsl:value-of select="." />
  </xsl-templeate>

</xsl:transform>
```

Feuille XSLT 2

```
<xsl:transform version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform">

  <xsl:template match="/">
    <Solution><xsl:apply-templates/></Solution>
  </xsl:template>

  <xsl-templeate match="*">
    <xsl-apply-templates/>
  </xsl-templeate>

  <xsl-templeate match="text()">
    <xsl:value-of select="." />
  </xsl-templeate>

  <xsl-templeate match="@*" />

</xsl:transform>
```

Exercice 3 (cf. supports G. Gardarin)

```
<?xml version="1.0" ?>
  <Guide>
    <Restaurant Categorie="**">
      <Nom>Le Romantique</Nom>
      <Adresse>
        <Ville>Cabourg</Ville>
        <Dept>Calvados</Dept>
      </Adresse>
    </Restaurant>
    <Restaurant Categorie="***">
      <Nom>Les TroisGros</Nom>
      <Adresse>
        <Ville>Roanne</Ville>
        <Dept>Loire</Dept>
      </Adresse>
    </Restaurant>
  </Guide>
```

Feuille de style XSL

```
<?xml version="1.0" ?>
  <xsl:stylesheet xmlns:xsl="http://www.w3.org/xsl">

    <xsl:template match="/">
      <html><head><B>ESSAI XSLT</B></head>
      <body><xsl:apply-templates/></body></html>
    </xsl:template>

    <xsl:template match="Guide">
      <H1>BONJOUR </H1>
      <H2>SUIVEZ LE GUIDE</H2>
      <xsl:apply-templates/>
    </xsl:template>

    <xsl:template match="Restaurant">
      <P><I>Restaurant :</I><xsl:value-of select="Nom"/></P>
    </xsl:template>
  </xsl:stylesheet>
```

D'après le document du cours

(cf. polycopé de Jacques Le Maître)

- Produire un document XML listant les itinéraires
**** avec pour chaque ballade concernée son nom

<best-of>

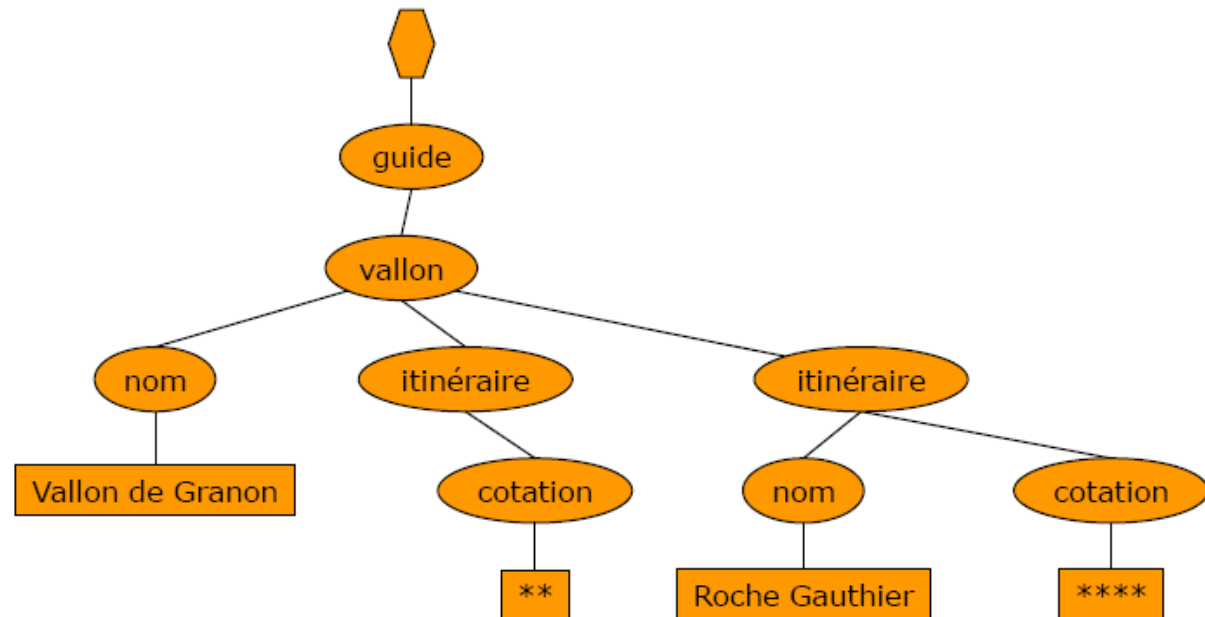
```
<ballade>itinéraire : Roche Gauthier</ballade>
```

```
<ballade>itinéraire : Le Guyon</ballade>
```

```
<ballade>itinéraire : Roche des prés</ballade>
```

...

</best-of>



Et maintenant

<best-of>

<ballade>itinéraire 1: Roche Gauthier</ballade>

<ballade>itinéraire 2: Le Guyon</ballade>

<ballade>itinéraire 3: Roche des prés</ballade>

...

</best-of>

Et maintenant

- Produire un document XML listant les noms des vallons et les noms de leurs itinéraires (sorte de table des matières)

```
<vallons>
  <vallon>
    <nom>Vallon de Granon</nom>
    <itinéraires>
      <nom>Col de Granon</nom>
      ...
    </itinéraires>
  </vallon>
  <vallon>
    <nom>Vallon des Acles</nom>
    ...
  </vallon>
  ...
</vallons>
```

Fragment de l'arbre du document à transformer

