XQUERY

L3 Info & L3 MIASHS

TD4 – Corrigé

Exercice 1.

resultat1.txt

Exercice 2.

result at 2.txt

```
<?xml version="1.0"?>
<results>
   <result>
      <title>TCP/IP Illustrated</title>
         <\!last\!>\!Stevens<\!/last\!>
         <first>W.</first>
      </author>
   </result>
   <result>
      <title>Advanced Programming in the Unix environment</title>
         <last>Stevens</last>
         <first>W.</first>
      </author>
   </result>
   <result>
      <\!\! title>Data on the Web</title>
      <author>
         <last>Abiteboul</last>
         <\!\!\mathrm{first}\!\!>\!\!\mathrm{Serge}\!\!<\!\!/\mathrm{first}\!\!>
      </author>
   </result>
   <result>
      <title>Data on the Web</title>
      <author>
         <\!last\!>\!Buneman\!<\!/last\!>
         <first>Peter</first>
      </author>
   </result>
   <result>
      <title>Data on the Web</title>
```

```
< author> < last> Suciu </ last> < first> Dan </ first> < / author> </ result> </ results>
```

Exercice 3.

resultat3.txt

```
<?xml version="1.0"?>
<results>
    <result>
        <author>
            <\!last\!>\!Abiteboul\!<\!/last\!>
            <first>Serge</first>
        </author>
        <title>Data on the Web</title>
    </result>
    <result>
        <author>
            <last>Buneman</last>
            <\!\!\mathrm{first}\!\!>\!\!\mathrm{Peter}\!\!<\!\!/\mathrm{first}\!\!>
        </author>
        <title>Data on the Web</title>
    </result>
    <result>
        <author>
            <\!last\!>\!Stevens<\!/last\!>
            <\!\!\mathrm{first}\!\!>\!\!\mathrm{W.}\!\!<\!\!/\mathrm{first}\!\!>
        </author>
        <\!\!\text{title}\!\!>\!\!\text{TCP/IP Illustrated}\!\!<\!\!/\text{title}\!\!>
        <title>Advanced Programming in the Unix environment</title>
    </result>
    <result>
        <author>
            <\!\!\mathrm{last}\!\!>\!\!\mathrm{Suciu}\!<\!/\!\mathrm{last}\!\!>
            <\!\!\mathrm{first}\!\!>\!\!\mathrm{Dan}\!\!<\!\!/\mathrm{first}\!\!>
        </author>
        <title>Data on the Web</title>
    </result>
</results>
```

Exercice 4.

resultat4.txt

```
<author>
            <last>Buneman</last>
            <\!\!\mathrm{first}\!\!>\!\!\mathrm{Peter}\!\!<\!\!/\mathrm{first}\!\!>
        </author>
        <title>Data on the Web</title>
   </result>
   <result>
        <author>
            <\!last\!>\!Stevens<\!/last\!>
            <\!\!\mathrm{first}\!\!>\!\!\mathrm{W.}\!\!<\!\!/\mathrm{first}\!\!>
        </author>
        <\!\!\text{title}\!\!>\!\!\text{TCP/IP Illustrated}\!<\!/\text{title}\!\!>
        <title>Advanced Programming in the Unix environment</title>
   </result>
   <result>
        <author>
            <\!\!\mathrm{last}\!\!>\!\!\mathrm{Suciu}\!\!<\!/\!\!\mathrm{last}\!\!>
            <first>Dan</first>
        </author>
        <title>Data on the Web</title>
   </result>
</results>
```

Exercice 5.

resultat5.txt

```
<?xml version="1.0"?>
<bib>
   <book>
      <title>TCP/IP Illustrated</title>
      <author>
          <last>Stevens</last>
          <first>W.</first>
      </author>
   </book>
   <book>
      <title>Advanced Programming in the Unix environment</title>
      <author>
          <\!last\!>\!Stevens<\!/last\!>
          <\!\!\mathrm{first}\!\!>\!\!\mathrm{W.}\!\!<\!\!/\mathrm{first}\!\!>
      </author>
   </book>
   <book>
      <title>Data on the Web</title>
      <author>
          <\!last\!>\!Abiteboul\!<\!/last\!>
          <first>Serge</first>
      </author>
      <author>
          <last>Buneman</last>
          <\!\!\mathrm{first}\!\!>\!\!\mathrm{Peter}\!\!<\!\!/\mathrm{first}\!\!>
      </author>
      <et-al/>
   </book>
</bib>
```

Exercice 6.

resultat6.txt

```
<?xml version="1.0"?>
<results>
    <result>
         <author>
             <last>Abiteboul</last>
             <\!\!\mathrm{first}\!\!>\!\!\mathrm{Serge}\!<\!/\mathrm{first}\!\!>
         </author>
         <\!\!\mathrm{number}\!\!>\!1<\!/\mathrm{number}\!\!>
    </result>
    <result>
         <author>
             <\!\!\mathrm{last}\!\!>\!\!\mathrm{Buneman}\!<\!/\mathrm{last}\!\!>
             <\!\!\mathrm{first}\!\!>\!\!\mathrm{Peter}\!\!<\!\!/\mathrm{first}\!\!>
         </author>
         <number>1</number>
    </result>
    <result>
         <author>
             <\!last\!>\!Stevens<\!/last\!>
             <\!\!\mathrm{first}\!\!>\!\!\mathrm{W.}\!\!<\!\!/\mathrm{first}\!\!>
         </author>
         <number>2</number>
    </result>
    <result>
         <author>
             <\!\!\mathrm{last}\!\!>\!\!\mathrm{Suciu}\!\!<\!\!/\!\mathrm{last}\!\!>
             <first>Dan</first>
         </author>
         <\!\!\mathrm{number}\!\!>\!\!1<\!/\mathrm{number}\!\!>
    </result>
</results>
```

Exercice 7.

resultat7.txt