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# XQUERY

*L3 Info & L3 MIASHS*

*TD4 – Corrigé*

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## Exercise 1.

resultat1.txt

```
<?xml version="1.0"?>
<bib>
  <book year="1994">
    <title>TCP/IP Illustrated</title>
  </book>
  <book year="1992">
    <title>Advanced Programming in the Unix environment</title>
  </book>
</bib>
```

## Exercise 2.

resultat2.txt

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

### Exercise 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>
      <first>Peter</first>
    </author>
    <title>Data on the Web</title>
  </result>
  <result>
    <author>
      <last>Stevens</last>
      <first>W.</first>
    </author>
    <title>TCP/IP Illustrated</title>
    <title>Advanced Programming in the Unix environment</title>
  </result>
  <result>
    <author>
      <last>Suciu</last>
      <first>Dan</first>
    </author>
    <title>Data on the Web</title>
  </result>
</results>
```

### Exercise 4.

resultat4.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>
      <first>Peter</first>
    </author>
    <title>Data on the Web</title>
  </result>
<result>
  <author>
    <last>Stevens</last>
    <first>W.</first>
  </author>
  <title>TCP/IP Illustrated</title>
  <title>Advanced Programming in the Unix environment</title>
</result>
<result>
  <author>
    <last>Suciu</last>
    <first>Dan</first>
  </author>
  <title>Data on the Web</title>
</result>
</results>

```

## Exercise 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>
      <first>W.</first>
    </author>
  </book>
  <book>
    <title>Data on the Web</title>
    <author>
      <last>Abiteboul</last>
      <first>Serge</first>
    </author>
    <author>
      <last>Buneman</last>
      <first>Peter</first>
    </author>
    <et-al/>
  </book>
</bib>

```

## Exercise 6.

resultat6.txt

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

## Exercise 7.

resultat7.txt

```
<?xml version="1.0"?>
<data>
  <year value="1994" avgprice="65.95"/>
  <year value="1992" avgprice="65.95"/>
  <year value="2000" avgprice="39.95"/>
  <year value="1999" avgprice="129.95"/>
</data>
```