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## Lab 01

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**Exercise 1:** Here is an example of an XML document that should be well-formed;

```
<?xml version="3.0" en
coding="utf-8"?>
<logiciel Comptabilite>
<version>1</version/>
<user>
<uid>bgirot</uid>
</user>
<contact>
<lastName>Giro</lastName>
<firstName>Bernadette</FirstName>
<email>ggirot@petites.fleurs.com</email>
</contact>
<author autId="ghuret" lastName="Huret" firstName="George" organism="">
<company>
<labId>3987</labId>
<name>Analyse Informatique des Données & Information</name>
<shortName></shortName>
</company>
</author>
<author autId="mgirard" lastName="Girard" firstName="Matin" firstName="Matin" organism="">
<company>
<labId>6670</labId>
<name>La compta en vogue</name>
<shortName>Vogue la compta</shortName>
</company>
<company>
<labId>4621</labId>
<name>En avant les chiffres</name>
<shortName>EAC</shortName>
</author>
</company>
</logiciel Comptabilite>
<date_mise_en_service>
2007-09-17
</date_mise_en_service
```

**Exercise 2:** The following XML document contains at least 8 syntax errors. Please find and correct as many as possible.

```
<title>Mr. Fox and Mrs. Elster</title>
<director>Harald Serowski & Erich Hamsea</director/>
< age restriction type = "for six year olds" >
<description>
If there's a personification of <quote>curiosity</quote>, then it's
<b><i>Mrs. Elster</b></i></b></i>In this cheerful strip for the whole family, she's back in her element . ...
</description>
</movie>
```

**Exercise 3:** Correct the following XML document to be well-formed (hint: use the XML editor):

```
<?xml version="1.0" encoding="utf-16"?>
<movies>
<movie id="56225">
<title>Love Story</title>
<title></title>
<year>1980</year>
<_director name='Coppola'></_director>
<comment text="Five start" text="Average"/>
<xml>Introduce XML content</xml>
<newcomment text="An <important> text">Oscar</newcomment>
<comment lang=de>© 1980 Warner Bros.</comment>
<!-- Famous movie of the --80s -->
</Movie>
</movies>
```

**Exercise 04:** Is this document well-formed (i.e. does it respect XML syntax)? If not, fix the errors:

```
<?xml version="1.0"?>
<!-- this is a note -->
<note date=3 janvier>
<to>Bob</To>
<from>Alice</from>
<heading>Reminder</heading>
<body>Don't forget me this weekend!</body>
</note>
<note date="5 janvier" <!-- this is another note --> >
<to>Alice</to>
<from>Bob
<body>No problem & see you soon</body>
</note>
<note />
```

**Exercise 05:**

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<collection>
<cd>
<title>Empire Burlesque </title>
<artist>Bob Dylan</artist>
<country>USA</country>
<company>Columbia</company>
<price>10.90</price>
<year>1985</year>
</cd>
<cd>
<title>Hide your heart</title>
<artist>Bonnie Tyler</artist>
<country>UK</country>
<company>CBS Records</company>
<price>9.90</price>
<year>1988</year>
</cd>
<cd>
<title>Greatest Hits</title>
<artist>Dolly Parton</artist>
<country>USA</country>
<company>RCA</company>
<price>9.90</price>
<year>1982</year>
</cd>
<cd>
<title>S t i l l got the blues</title>
<artist>Gary Moore</artist>
<country>UK</country>
<company>Virgin records</company>
<price>10.20</price>
<year>1990</year>
</cd>
<cd>
<title>Eros</title>
<artist>Eros Ramazzotti</artist>
<country>EU</country>
<company>BMG</company>
<price>9.90</price>
<year>1997</year>
</cd>
</collection>
```