

Due on: Thursday 23.06.2005 by 14:00 (in class)

Exercise 1

- Use sales.xml (available online), replace each `<s>` element with the element `<score>`.
- Output and emphasize (marked up with ``) each country in HTML format.
- For the `<country>` elements, replace its name attributes with place attributes, and change the values for the attributes from Germany, France and Italy to Deutschland, Frankreich and Italien.
- Output and automatically assign “(odd)” to an odd score and “(even)” to an even score for the German score: i.e.:

30(even)
35(odd)
37(odd)
44(even)

- Write an XSLT stylesheet that renders the data in an HTML table as follows:

	2000	2001	2002	2003
Germany	30	35	37	44
France	21	24	23	19
Italy	17	19	17	20

Exercise 2

The movie critic Piero Scaruffi has published a list of the *1000 Best Films of all Times* (see <http://www.scaruffi.com/cinema/best100.html>). The XML-ified version of this HTML page looks like

```
<?xml version="1.0"?>
<movielist>
<entry rank="1" year="1941">
<director>Orson Welles</director>
<title>Citizen Kane</title></entry>
<entry rank="2" year="1959">
<director>Alfred Hitchcock</director>
<title>North By Northwest/ Intrigo Internazionale</title></entry>
<entry rank="3" year="1958">
<director>Orson Welles</director>
<title>Touch Of Evil</title></entry>
...
</movielist>
```

(the full list is available at the script page of the lecture / online).

- a) Write an XSLT stylesheet that transforms the XML document in a HTML document listing the movies by rank.
- b) Write XSLT stylesheets that build a small website that consists of
1. a page for films listed by rank,
 2. a page for directors listed alphabetically with a list of films directed by each director,
 3. a page for films listed by year,

such that

- each rank is a hyperlink that points to the position of the film in the list by rank,
- each director is a hyperlink that points to the position of the director in the list by director, and
- each year is a hyperlink that points to the position of the year in the list by years.

(screen shots of the expected result for this exercise are posted online)

sales.xml:

```
<?xml version="1.1"?>
<sales periods="2000 2001 2002 2003">
  <country name="Germany">
    <s>30</s>
    <s>35</s>
    <s>37</s>
    <s>44</s>
  </country>
  <country name="France">
    <s>21</s>
    <s>24</s>
    <s>23</s>
    <s>19</s>
  </country>
  <country name="Italy">
    <s>17</s>
    <s>19</s>
    <s>17</s>
    <s>20</s>
  </country>
</sales>
```