

Tutorial – 1

XML and Semantic Web Technologies – SoSe 2012

Instructor: Prof. Dr. Lars Schmidt-Thieme

Tutor: Umer Khan

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Q1. (a) Using UTF-8, decode the following byte sequence into its Unicode code point.

0xE2 0x98 0x83

(b). Briefly differentiate between Coded Character Set and Encoding Scheme.

(c) Using example URIs, differentiate between hierarchical, opaque, relative and absolute URIs’.

Q2. (a) Install Oxygen xml editor and play around with its different features.

(b) Is the following xml document ‘Well-formed’? If not, point out reasons.

```
<?xml version="1.0" encoding="UTF-8"?>
<course ref="ISMLL">
  <title>XML & Semantic Web Technologies</title>
  <people responsible="Prof. Lars">
    <sub>André Busche</sub>
  </people role="HoO">
  <students restrict="grade(Machine Learning) < 4.0)">
    <student1 formerLecture="Machine Learning"
formerLecture="Javal"> your name here ... :-> </student1>
    <student2 formerLecture="Javal > Machine Learning"/>
  </student>
</course>
```