

Due on: Thursday 21.4.2005 by 14:00 (in class)

Exercise 1

- a) What is the difference between a URI, a URL and a URN? Give an example for each (not yet given in the lecture)
- b) Classify and parse the following URIs (e.g. hierarchical, opaque, relative...etc).
 1. `http://java.sun.com/j2se/1.3/docs/guide/index.html`
 2. `tel:+1-201-555-0123`
 3. `docs/info/collections/faq.html#40`
 4. `docs/guide/index.html`
 5. `phone://1/123/456-7890`
 6. `http://foo/bar#frag`

Exercise 2

- a) Encode the following Unicode character to UTF-8
 1. U+00A9 (1010 1001)
 2. U+05D0
 3. U+2260
- b) Encode the following words in UCS-2 and UTF-8:
 1. ANKER
 2. Françios
 3. ANKAPA
- c) Decode the following Hex codes. *Tips check the Unicode website for the Unicode charts*
 1. 46 72 61 6E 63 EA 73
 2. 58 4D 4C 20 52 6F 63 6B 73 21
 3. 395 3BB 3BB 3AC 3C2