

Exercises Encoding of Strings

Fall Term 2020 / 2021

Computer Science Basics for MedInf

1 ASCII

1.1 Encode

Use the ASCII table at the following address:

https://fr.wikipedia.org/wiki/American_Standard_Code_for_Information_Interchange#/media/Fichier:ASCII-Table-wide.svg

<http://www.unicode.org/charts/PDF/U0000.pdf>

- Hallo mittenand
- Guten Tag

1.2 Decode

Decode the following ASCII string

- 42 6f 6e 6a 6f 75 72 2e 0a
- 47 6f 6f 64 20 6d 6f 72 6e 69 6e 67 21 0a

2 Latin1

Use the following tables: https://en.wikipedia.org/wiki/ISO/IEC_8859-1

- Encode déjà un café
- Décode d6 70 69 73 73 20 73 fc 73 73 0a

3 UTF-8

<http://www.unicode.org/charts/>

3.1 Encode

Encode in UTF-8 the following strings.

- für
- Schön

3.2 Decode

Decode the following UTF-8 strings.

- 64 c3 a9 6a c3 a0 20
- 53 63 68 c3 bc 6c 65 72 20 26 20 c3 89 63 6f 6c 69 65 72 73 0a