

Exercise: Write a simple RFC561-compliant e-mail.

From: ovlbystrova@hse.ru
To: nickhowell@hse.indiana.com
Date: 12 MAY 2021 2323-MSK
Subject: Collaboration I HW Assignment

This is a simple RFC561-compliant e-mail

Best regards,
Olga Bystrova

Exercise: Send yourself an e-mail with non-ASCII characters. (E.g., "привет!") Download the raw message and open with a text editor. What are the contents? How is the message encoded, and where is the encoding specified? (Sometimes you need to select "view message source" or "view original message" to do this.)

There is a combination of `?koi8-r?B?` in every field where Russian letters should be

Exercise: How are attachments handled? Refer to the Wikipedia article on MIME; send yourself an e-mail with a (very small!) attachment, and download the raw e-mail message and open with a text editor. What are the contents? Show and explain each MIME part. Can you recover the attachment from the raw message?

`MIME-Version: 1.0` - an indicator of MIME formatting

`Content-Transfer-Encoding: quoted-printable` - describes the encoding type to be applied before reading the original content of the email (text).

`Content-Transfer-Encoding: base64` - describes the encoding type to be applied before getting the original attachment of the email.

`Content-Type: application/octet-stream; name="test.sql"` - describes the attached file

Exercise: Install an IRC client, log in to freenode.net, join #apertium and write a message "begiak: tell nlhowell hi". It will instruct the bot managing #apertium to forward me the message next time it sees me.

<ispany> begiak: tell nlhowell hi
<begiak> ispany: I'll pass that on when nlhowell is around.

Exercise: Suppose your project is not software. What kinds of quality control tests might you implement? Give examples for written articles, web sites, musical compositions, and graphics.

- 1) written articles: Spellchecking; Sentence/Paragraph length; cliches; check for appropriate language (if necessary).
- 2) web sites: Connection test; stress testing; visual tests;
- 3) musical compositions: test if the composition is too loud; test if it matches specific genre; test if it was plagiarized or not.
- 4) graphics: brightness test, visual composition.

Exercise: install and run pandoc. (The dependencies are hefty.)

Setting up pandoc (2.5-3build2)

Processing triggers for man-db (2.9.1-1)