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Wilcome to our second past
                                             "Communication and Visualisation"
                                           (was: Automotive Sensors)
                                                                                      27-2.25
 Plansi
              - ( style programming of internet (BD-socks)
              - HTML and CSS to ereste web pages
- How to generate web pages dynamically?
                                                                           run your own web server.
                   -> with perl
                   -> your our idea
               - Storing data, generating plots

-> XML -> database
          =) Fissingments to get a "passed". Lots of exercises-
1. Classical e-style programming of FCP/1P:
                                                              all other egstans
                                               1 99 - socks
                                               " With socks"
                                                              Windows systems
                                                   client
       server
                                         WSAStartup (...)
                                          S = sochet (...)
       laind (s, ...)
                                                          connect (s, ...)
       listen ( s. ... )
      s1 = a (cept ( s, ... )
                                           Write (3/81, ....)
                                           send (s/s/, -- )

read (s/s/, -- )

rev (s/s/, -- )
                                           close (s/s/), close sodet (s/4)
                                         WSA Shuldown (...)
```

First assignment:

Please modify the C(++) example program available on Ilias to download any file from a webserver.

Our program only works with plain http, no https, and only without proxy) The file should have the same name as on the server. Hint: Check with an image file if you correctly got the empty line separating the header parameters from the file data.

Please upload a small report explaining the changes to the program, also include screenshot(s).

You also can use the wireshark program to check for the exchanged messages.

It only will work with http protocol. So you have to find a http server. It also is not capable of using a proxy.

Best idea to test: Download a graphics file and then try to display the file.

General assignment submission rules:

Please send an email with all required information/document/source/... Give your name and the names of others of your group (nevertheless each person needs a separate individual submission. Groups may vary with different assignments

For total "passed" ALL single assignments need to "pass".

Recommendation for C/C++ programming: "CLion" by jetbrains It is licensed, but you get a free student license in seconds with your university email address.

Best is to install jetbrains toolbox and use this to get CLion. See jetbrains.com

Wireshark might also help and show the data.



Optional extension for those who already are finished:

Write a group room chat program, that is two programs:

- a client connecting to the server at some predefined port
- * asks the users for text and sends the text to the server.
- * parallely (multitasking) it receives messages from the server and displays
- a server that handles multiple clients. Multitasking, one task per client

