Lab #11
Introduction to Operating Systems CS-UY 3224 | CS-UY 3224G

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Due 20th of November, 2023 at 5 PM Paris time. Please hand in through the *Assignments* option on *Brightspace*.

Question 1: *Network programming through the client-server communication*

. The objective is to implement a simple client-server application using socket programming in C.

Problematic

- Implement a server program that listens for incoming connections on a specific port (e.g., 8080), using the TCP protocol.

- Implement a client program that connects to the server on the specified port.

- The client should send a message to the server, and the server should respond.

- The server should respond with an acknowledgment.

- Implement error handling in both the client and server programs, including for socket creation, binding, and connections.

To test, run the server and the client in separate terminal windows. Note that the server should run first.

Question 2: *The same as Question 1 but using the UDP protocol.*

To do at home and hand in: Your C programs and the documentation .