

Link to the online document:

<https://docs.google.com/document/d/1jjiVfSxIP3tyV2sUug1apRZC6Y3CjZko8uJKYR5tXw/edit?usp=sharing>

EX1: Create a program in your preferred language, which uses protocols TCP and UDP and all subprotocols, e.g. Telnet, FTP, DNS.

- Make a client and server communication.

EX2: Describe 4 types of web applications,

- How you would develop an application and all technologies/infrastructure necessary for this (Describe all steps).

EX3: Describe the differences between Web1.0, 2.0, and 3.0.

EX4: Analysis on the LOD diagram:

- Number of datasets by year, since the beginning
- Which domain/area contains more datasets, and why.

EX5: Install a docker container to load a web server and a triple store.

EX6: Use the telnet to send a message using the TCP protocol.

EX7: What happens in an Internet Minute?

- Cite 4 examples.

EX8: Rank the 3 biggest continent internet users in 2022.

EX9: What is the difference between WWW and the internet?

- Explain why.

EX10: How to write and submit a Request for Comment RFC?

EX11: Create a program containing a For loop to print numbers 1 to 10:

- Make it parallel and serial
- Compare the differences when you execute.

EX12: Create a web application to exemplify the 3 layer architecture (presentation, Application/logics, Database).

- You should be able to explain the whole application.

EX13: Give 3 examples of Virtual Machine.

- You should be able to explain how it works.