Course: Extended System Programming Laboratory

Course number: 20212081

Covered Topics

1. C programming language
2. Assembly x86
3. Memory architecture
4. Binary files: ELF
5. System calls
6. Command line interpreter: Unix shell
7. Scripting languages: Python
8. Introduction to web programming: HTML, CSS, JavaScript, etc.

Course Specifications:

- There are 11 labs, and about 8 lectures.
- The final grade consists of the lab grades (60%) and a final exam (40%).
- You need to pass the exam to pass the course.

Relevant literature

- Dandamudi, Sivarama P.: Guide to Assembly Language Programming in Linux
- Jonathan Bartlett, Programming from the Ground Up (Assembler)
- Mark Pilgrim, Dive into Python