System Programming
(ELEC462)

Lab #3

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Lab #3-1: Writing `who2`

- Write and compile `who2.c`

- Make sure its output should be the same as who's output

- Submission: `who2.c` and `who2`

Lab #3-2: Writing `who3`

- Write and compile `who3.c`

- Make sure that your executable code (who3) must work properly.

- Submission: `utmplib.c,` `who3.c,` and `who3`

Lab #3-3: Writing `cp1`

- Write and compile `cp1.c`

- Make sure its output should be the same as `cp`'s output.

- Submission: `cp1.c` and `cp1`

Lab #3-4: Writing `cp2`

- What does the standard `cp` do if you try to copy a file onto itself?

  ○ e.g., `cp file1 file1`

- Write `cp2.c` to handle that situation

  ○ Modify `cp1.c`

- Submission: `cp2.c` and `cp2`

Lab #3: Submission

- Deadline: Tomorrow 11:59pm
  - Create a directory name (`lab3`) to another using a series of the following commands:
    - `mkdir lab3_s<Your_Student_ID>`
      - Assume your ID is **2022000000**.
  - Copy all the lab code and files into that directory
    - Source files: `who2.c, utmplib.c, who3.c, cp1.c, cp2.c`
    - Executables: `who2, who3, cp1, cp2`
  - Zip your folder:
    - `zip -r lab3_s2022000000.zip lab3_s2022000000`
- Upload the zipped directory (`lab3_s2022000000.zip`) into LMS