System Programming
(ELEC462)

Lab #11

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Lab #11-1: Writing `stdinredir2`

- Write `stdinredir2`

  - Source code for submission

    - `stdinredir2.c`

  - Make sure that your code must work properly

Lab #11-2: Writing `pipe`

- Write `pipe`
  - Source code for submission
    - `pipe.c`
  - Make sure that your code must work properly

Lab #11-3: Writing `who >> userlog`

- Modify `whotofile.c`

  - Appends the output of `who` to a file

  - Source code for submission

    - `whotofile2.c`

  - Make sure that your program works if the (output) file does not exist

Lab #11-4: Writing `sort < data`

- Write `sortfromfile`
  - Redirect the input of the sort command so it reads from a file
    - The filename is specified on the command line

```
dynam@DESKTOP-Q4IJBP7:~/lab11$ cat sample.txt
zero
ace
knu
cse
```

```
dynam@DESKTOP-Q4IJBP7:~/lab11$ ./sortfromfile sample.txt
About to run sort with input from sample.txt
ace
cse
knu
zero
Done running sort < sample.txt
```

  - Source code for submission
    - `sortfromfile.c`
  - Make sure that your code must work properly

Lab #11: Submission

- Deadline: Tomorrow 11:59pm

  - Create a directory name (`lab11`) to another using a series of the following commands:

    - `mkdir lab11_s<Your_Student_ID>`
      - Assume your ID is **2022000000**.

  - Zip your folder:

    - `zip -r lab11_s2022000000.zip lab11_s2022000000`

- Please include your **source codes** and **screenshots** of your output

- Upload the zipped directory (`lab11_s2022000000.zip`) into LMS