



## Lab #7

Chapter 7:

# Event-Driven Programming

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Young-Kyoon Suh

Kyungpook National University



# Lab #7-1 [30 pts]: `hello5`

- Write code on Slides 27-28.
  - Refresh rate: 1.5 seconds
  - Message: “`sStudent_id - Your name`” instead of “hello”
    - Ex. `s2022112900_Hongil Dong`
- Submission: `hello5.c` **and** `hello5`



# Lab #7-2 [30 pts]: `ticker_demo`

- Write code on Slides 47-48.
  - Change the interval to 1 secs.
  - Change the countdown number to 5.
- Submission: `ticker_demo.c` and `ticker_demo`

# Lab #7-3 [40 pts]: sigactiondemo2

- Write code on Slide 67.

- Complete sigactiondemo2 program.

- Submission:

- sigactiondemo2.c and sigactiondemo2

```
yksuh@macan:~/courses/ELEC462/labs/lab7$ gcc -o sigactiondemo2 sigactiondemo2.c
yksuh@macan:~/courses/ELEC462/labs/lab7$ ./sigactiondemo2
Lab#7-2: sigactiondemo2 test
input: Lab#7-2: sigactiondemo2 test
^CSignal number 2
Error value 0, Signal code 128
Sending UID root
Called with signal 2
We'll sleep for 2 seconds
^\\Done handling signal 2
Quit (core dumped)
yksuh@macan:~/courses/ELEC462/labs/lab7$ █
```

```
yksuh@macan:~/courses/ELEC462/labs/lab7$ ./sigactiondemo2
Lab#7-2: sigactiondemo2 test2
input: Lab#7-2: sigactiondemo2 test2
^CSignal number 2
Error value 0, Signal code 128
Sending UID root
Called with signal 2
We'll sleep for 2 seconds
Done handling signal 2
Lab#7-2: sigactiondemo2 test3
input: Lab#7-2: sigactiondemo2 test3
^C
yksuh@macan:~/courses/ELEC462/labs/lab7$ █
```

# Lab #7: Submission

- Deadline: **08:59:59 am (04/15/2023)** (no extension)
  - Create a directory named `lab7_s<StudentID>`.
  - Copy all the source and executable code into that directory.
  - Zip the directory and name it like: `lab7_s2018112544.zip`.
  - Upload your zip file into LMS.