AIST 2120
LAB EXERCISE 10 (CH. 17)

INTRODUCTION

Chapter 17 introduced us to scheduling program runs and creating multiple threads within program flow.

ASSIGNMENT & DISCUSSION

Your mission in this lab assignment is to countdown the timer for the Doomsday's detonation device and create an alternate thread within the program.

TASKS

- To start, download the provided **Lab10_Chap17.zip** and extract it on your Desktop. Then, follow the directions for each step.
- A fully functioning program will:
    1. Display the time the device countdown was initiated.
    2. Display the countdown
    3. Save a .txt file and write into it the time the countdown started and how long the countdown will last -- simultaneously begin the countdown via multi-threading.
    4. Display the time the countdown hits zero
- Remember to check your .txt file to ensure it contains the identified information.

NOTES

n/a

REQUIREMENTS

- ☐ **Application**
    - Write your program in Python 3.
    - You are free to develop your code in any environment you choose.
    - You will demonstrate your code execution from a standard file editor.
        Note: If for any reason, I need to run your code, I will run it in IDLE's File Editor. If you choose to write your code in another environment, remember to test it in IDLE's File Editor prior to submission. For grading purposes, if your code doesn't run in IDLE's File Editor, it doesn't run.
    - Name your source code file **lastN_firstN_Lab10_CH17.py**.

- ☐ **Submission**
    - I will evaluate your lab exercise when you are ready to demo your code. D2L submission is required/desired. I will not accept email submissions.
    - Ensure you retain a complete copy of your program source code file(s).

- ☐ **Due Date**: Per D2L instructions.

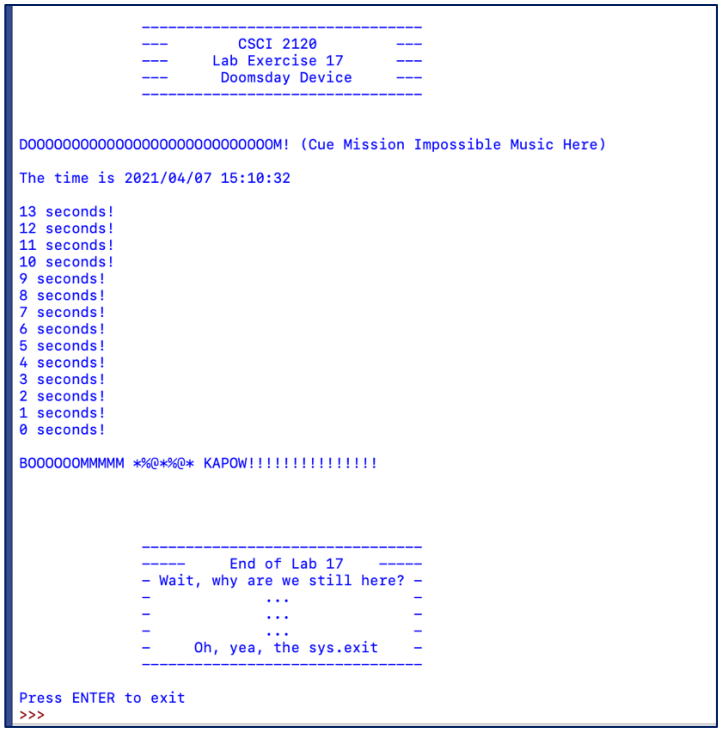
- ☐ **Late Penalty**: Per D2L instructions.

STYLE GUIDE

- **File headers**. Include a header in the below format at the top of all .py source code files.

```
# Your Name
# AIST 2120, Lab Exercise 10
# submission date
# file name
```

- **Example Screen Output**



Example Destination Folder Contents