

Operating System I – Fall 2018

Examples of code using thread

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General Presentation

This code was presented during the lecture. To compile any of those files, use

```
gcc -lpthread threadx.c
```

where `x` is the number of the program you want to compile. This will create a file named `a.out`. To execute it, use

```
./a.out
```

If you have questions, feel free to reach me at caubert@augusta.edu.

Presentation of the programs

- `thread1.c` illustrates how a thread can manipulate a variable declared in the `main` method.
- `thread2.c` illustrates how a variable could be accessed from both `main` and a thread.
- `thread3.c` illustrates how the return value of the thread could be read from the `main` function.
- `thread4.c` illustrates how we can test if the `pthread_join` instruction was successful.