

# Exam

*29th of April, 2020*

This test is 100 points. All work is to be your own. (open notes, open compiler, closed friends, closed general internet) All work is considered pledged. You will submit your code/answers on Canvas by May 7th at 10:30am.

## The Exam

Answer the following questions for the system calls: `popen`, `getlogin`, and `tmpfile`.

1. (4pts each) What are the parameters?
2. (4pts each) What is the return value?
3. (4pts each) How to check if the system call had errors?
4. (4pts each) Are there are system calls to be used in conjunction with this call?
5. (4pts each) What is the purpose of the system call?
6. (4pts each) What file do you need to include? Is this a POSIX function?

(28pts total) Write an example program utilizing the system calls: `popen`, `getlogin`, and `tmpfile`. Your program should include comments and not be trivial. Your program should perform error checking and handling.