New York University

Tandon School of Engineering

Department of Electrical & Computer Engineering

Introduction to Operating Systems (CS-GY6233)

Spring 2021

Assignment 5

(10 points)

1. (8 points) Repeat Problem 2a of assignment 4, except that you shall use an anonymous pipe this time.
2. (2 points) Which communication mechanism did your pipe use? (choose one of the two options for each of the 4 questions below)
   1. Direct or indirect naming
   2. Blocking or non-blocking
   3. Bounded or unbounded buffering
   4. Uni-directional or bi-directional

# Submission file structure:

Please submit a **single .zip file** named **[Your Netid]\_lab#.zip**. It shall have the following structure (replace # with the actual assignment number):

 └── [Your Netid] hw# (Single folder includes all your submissions)

          ├── lab#\_1.c (Source code for problem 1)

          ├── lab#\_2a.c (Source code for problem 2a, and so on)

          ├── lab#\_1.h (Source code header file, if any)

          ├── Makefile (makefile used to build your program, if any)

          ├── lab#.pdf (images + Report/answers to short-answer questions)

# What to hand in (using NYU Classes):

* Source file(s) named as described above.
* A .pdf file named **“lab#.pdf”**, containing:
  + Screen shot(**s**) of your terminal window showing the current directory, the command used to compile your program, the command used to run your program and the output of your program.
  + Answers to H/W questions

# RULES:

* You shall **use kernel version 4.x.x or above**. You shall not use kernel version 3.x.x.
* You may consult with other students about GENERAL concepts or methods but copying code (or code fragments) or algorithms is NOT ALLOWED and is considered cheating (whether copied form other students, the internet or any other source).
* If you are having trouble, please ask your teaching assistant for help.
* You must submit your assignment prior to the deadline.