Wayne State University

CSC 4421 - Fall 2016
Computer Operating Systems Labs
Lab 7 - Pipeline and Redirection

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Points Possible: 100
Due: March 20, 2017

Read the man page of **pipe** system call. 2 partially completed programs have been provided to help teach you pipes.

For this lab you are to create an output identical to that of lab 5(x-5, x/5, etc.). This time you are using pipes though. Since pipes have a built in mechanism for process control, you only need to use 2 processes, each which loop 5 times (instead of creating a new process every time you loop). Wait then won't work for this lab. If you need help controlling process order, try using the system call sleep().

Following is a sample output that will be printed to the screen/terminal.

```
x = 19530

ITERATION 1
Child: x = 19525
Parent: x = 3905

ITERATION 2
Child: x = 3900
Parent: x = 780

ITERATION 3
Child: x = 775
Parent: x = 155

ITERATION 4
Child: x = 150
Parent: x = 30

ITERATION 5
Child: x = 25
Parent: x = 5
```

outputSample.txt