# CSC 305

Prof. A. Gordonov

**Lab. Assignment # 4.**

***Interprocess Communication Using Pipes.***

Write a well**-**commented program which implements interprocess communication between parent and child processes.

1. **Your program should implement the following steps:**

1. The parent process creates an unnamed pipe using ***pipe ( )***.

2. The parent process forks (use **fork ()**)

3. The writer (child) closes its read end of the pipe, and the reader (parent) closes its write end of the pipe.

4. The parent and child communicate by using **write ( )** and **read ( )** calls.

5. Each process closes its active pipe descriptor when it’s finishes with it.

*Note: You may use an example in your LINUX text book (pp501-504 in your LINUX book)*.

1. **Create two unidirectional pipes to implement two-way communication between the parent and a child.**

**10 points**

**Deadline: April 17th**