**Lab Objectives:**

* Memory Based/Unnamed Semaphore Shared between two Processes

Write a C++ program that takes 2 files name (each containing person transaction details for that year) as a command line argument and computes persons account balance at the end of the 2 year period (2017-2018) and will display it.

“+” sign indicates amount is deposited in to the account.

“-“sign indicates amount is withdrawn from account

In your program write 2 functions namely

compute2017balance(char \* file name) // it will take file name (2017.txt) and will compute balance for the year 2017

compute2018balance(char file name) // it will take file name (2018.txt) and will compute balance for the year 2018

A parent process will create a child process which in turn will call compute2017balance() function whereas a parent process will call the compute2018balance() function before using **wait() system call.**

Your program will display the person balance at the end of year 2018.You can assume that the person balance at the start of year 2017 is 0.

**For this task you need to use shared memory and semaphore only.**