

## Lab 4 csci360

I learn how to use some shared memory functions(`shmget()`, `shmat()`)

`shmget()` returns the identifier of the shared memory segment associated with the value of the argument key.

`shmat()` attaches the shared memory segment identified by `shmid` to the address space of the calling process.

I learn how to use some semaphore functions ( `sem_open()`, `sem_wait()`, `sem_post()`, `sem_close()`, `sem_unlink()`)

`sem_open()` can creates the semaphore if it not already created using `O_CREAT`

`sem_wait()` decrements the lock

`sem_post()` increments the lock

`sem_close()` closes the semaphore

`sem_unlink()` removes the semaphore

I learned how `ipcs` is used to look at shared memory and remove things from shared memory and status `dest` mean that the shared memory is marked for destruction