

Semaphores

To enforce execution Order

- Process busy waits
 - While (CONDITION_NOT_SATISFIED);
- Process goes to sleep until being explicitly woke up by others
 - Semaphores

POSIX Semaphores

- `#include <semaphore.h>`
- `sem_t sem_name;`
- `sem_init(sem_t *sem, int pshared, unsigned int value);`
- `sem_wait(&sem_name);`
- `sem_post(&sem_name);`
- `sem_getvalue(sem_t *sem, int *valp);`
- `sem_destroy(&sem_name);`
- `gcc program.c -lrt`

Links

- <http://www.csc.villanova.edu/~mdamian/threads/posixsem.html>
- System V Semaphores API:
 - <http://beej.us/guide/bgipc/output/html/multipage/semaphores.html>