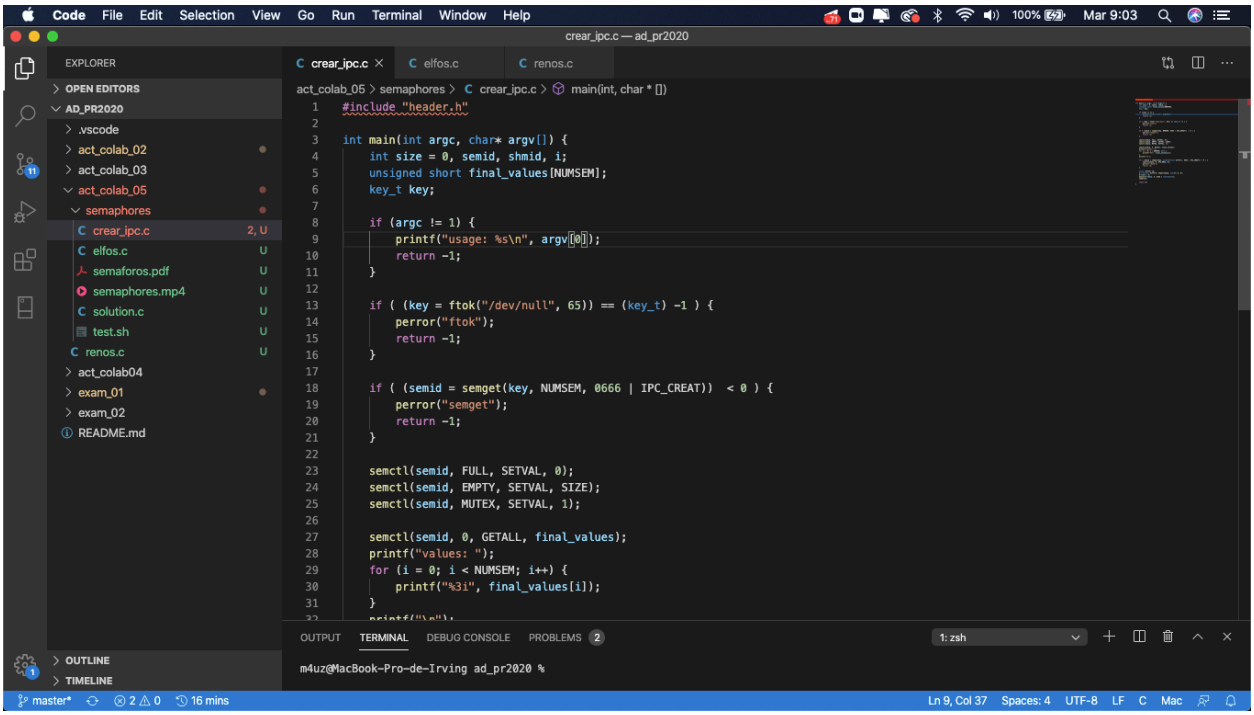
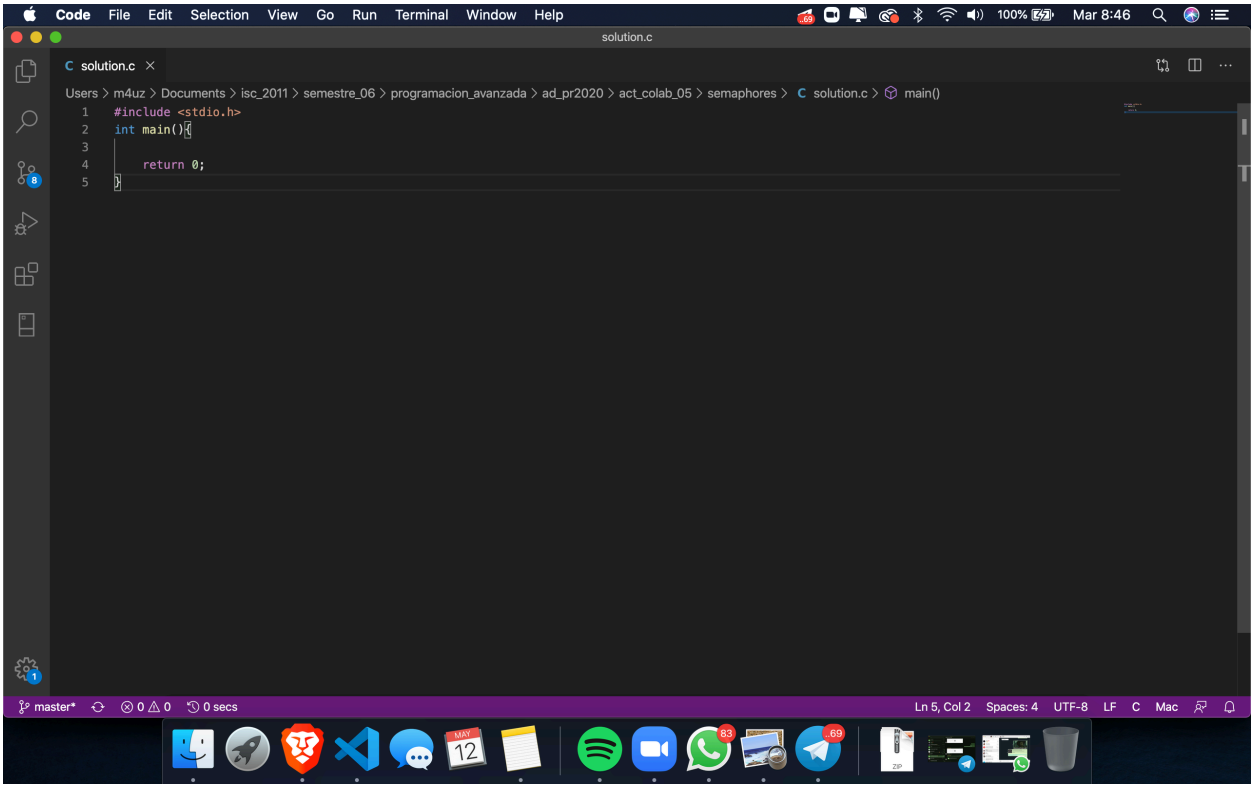
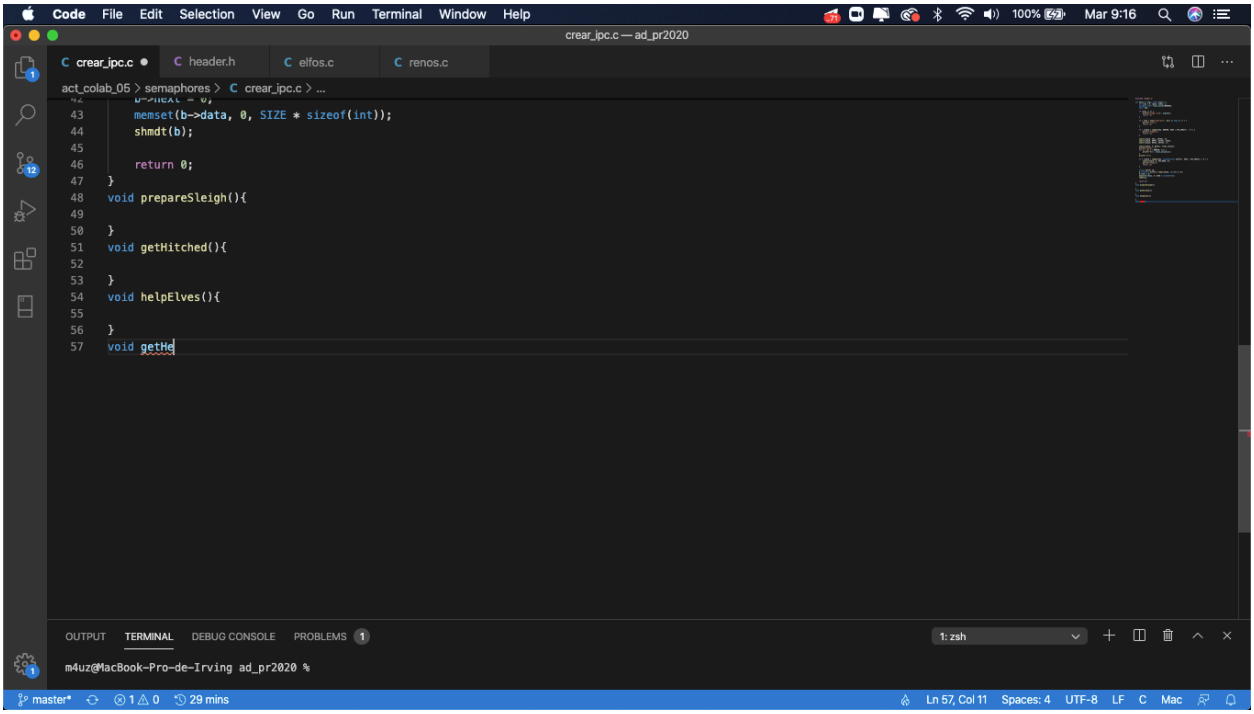
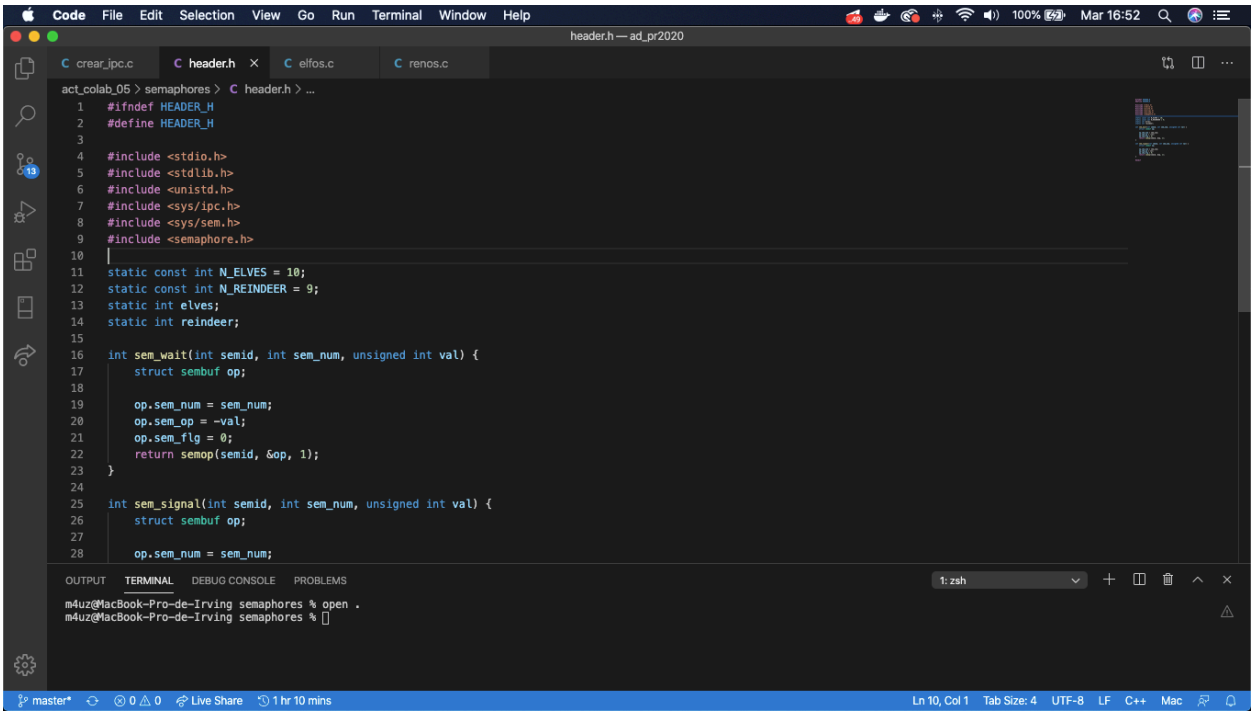
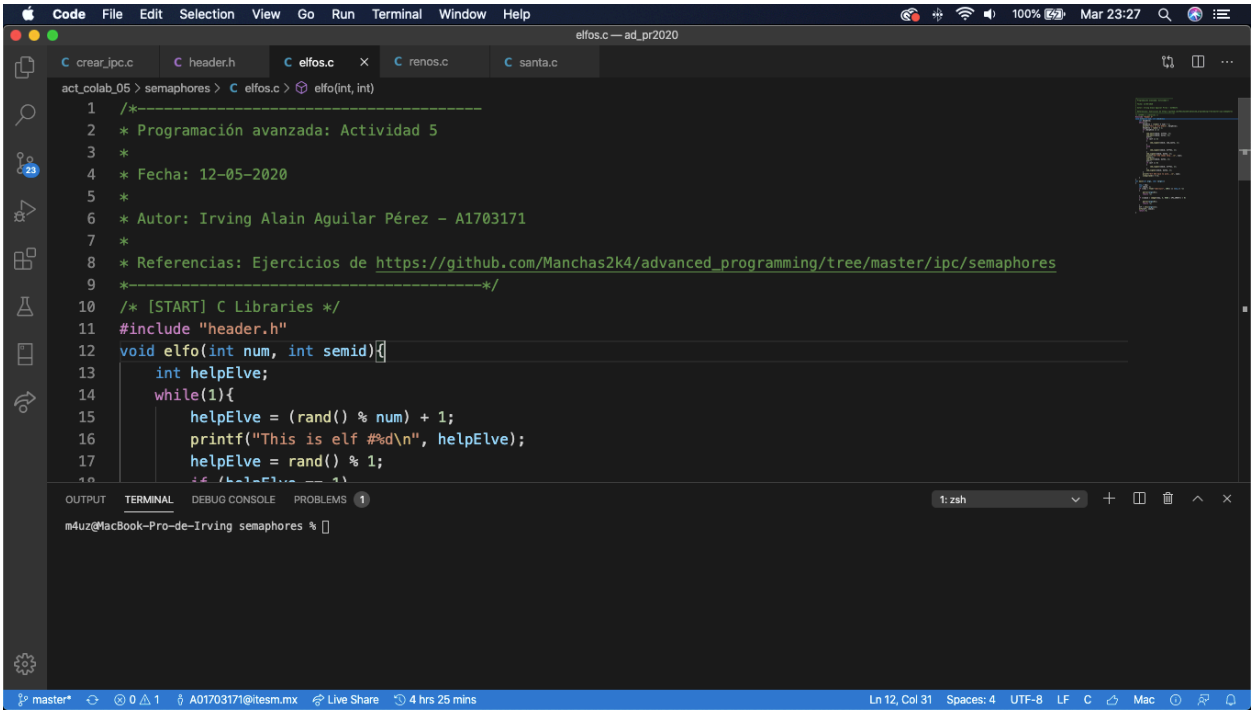

Code File Edit Selection View Go Run Terminal Window Help
Mar 9:03
crear_ipc.c — ad_pr2020
EXPLORER
OPEN EDITORS
AD_PR2020
.vscode
act_colab_02
act_colab_03
act_colab_05
semaphores
crear_ipc.c 2, U
elfos.c U
semaforos.pdf U
semaphores.mp4 U
solution.c U
test.sh U
renos.c U
act_colab04
exam_01
exam_02
README.md
OUTLINE
TIMELINE
crear_ipc.c
elfos.c
renos.c
act_colab_05 > semaphores > crear_ipc.c > main(int, char * [])
#include "header.h"
int main(int argc, char* argv[]) {
int size = 0, semid, shmid, i;
unsigned short final_values[NUMSEM];
key_t key;
if (argc != 1) {
printf("usage: %s\n", argv[0]);
return -1;
}
if ((key = ftok("/dev/null", 65)) == (key_t) -1) {
perror("ftok");
return -1;
}
if ((semid = semget(key, NUMSEM, 0666 | IPC_CREAT)) < 0) {
perror("semget");
return -1;
}
semctl(semid, FULL, SETVAL, 0);
semctl(semid, EMPTY, SETVAL, SIZE);
semctl(semid, MUTEX, SETVAL, 1);
semctl(semid, 0, GETALL, final_values);
printf("values: ");
for (i = 0; i < NUMSEM; i++) {
printf("%3i", final_values[i]);
}
OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS 2
1: zsh
m4uz@MacBook-Pro-de-Irving ad_pr2020 %
master* 2 0 16 mins
Ln 9, Col 37 Spaces: 4 UTF-8 LF C Mac


Code File Edit Selection View Go Run Terminal Window Help
Mar 8:46
solution.c
solution.c
Users > m4uz > Documents > isc_2011 > semestre_06 > programacion_avanzada > ad_pr2020 > act_colab_05 > semaphores > solution.c > main()
#include <stdio.h>
int main(){
return 0;
}
master* 0 0 0 secs
Ln 5, Col 2 Spaces: 4 UTF-8 LF C Mac


Code File Edit Selection View Go Run Terminal Window Help
100% Mar 9:16
crear_ipc.c — ad_pr2020
crear_ipc.c
header.h
elfos.c
renos.c
act_colab_05 > semaphores > crear_ipc.c > ...
memset(b->data, 0, SIZE * sizeof(int));
shmdt(b);
return 0;
}
void prepareSleigh(){
}
void getHitched(){
}
void helpElves(){
}
void getHe
OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS 1
1: zsh
m4uz@MacBook-Pro-de-Irving ad_pr2020 %
master* 1 0 29 mins
Ln 57, Col 11 Spaces: 4 UTF-8 LF C Mac


Code File Edit Selection View Go Run Terminal Window Help
100% Mar 16:52
header.h — ad_pr2020
crear_ipc.c
header.h
elfos.c
renos.c
act_colab_05 > semaphores > header.h > ...
#ifndef HEADER_H
#define HEADER_H
#include <stdio.h>
#include <stdlib.h>
#include <unistd.h>
#include <sys/ipc.h>
#include <sys/sem.h>
#include <semaphore.h>
static const int N_ELVES = 10;
static const int N_REINDEER = 9;
static int elves;
static int reindeer;
int sem_wait(int semid, int sem_num, unsigned int val) {
struct sembuf op;
op.sem_num = sem_num;
op.sem_op = -val;
op.sem_flg = 0;
return semop(semid, &op, 1);
}
int sem_signal(int semid, int sem_num, unsigned int val) {
struct sembuf op;
op.sem_num = sem_num;
OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS
1: zsh
m4uz@MacBook-Pro-de-Irving semaphores % open .
m4uz@MacBook-Pro-de-Irving semaphores %
master* 0 0 Live Share 1 hr 10 mins
Ln 10, Col 1 Tab Size: 4 UTF-8 LF C++ Mac


Code File Edit Selection View Go Run Terminal Window Help
100% Mar 23:27
elfos.c — ad_pr2020
crear_ipc.c
header.h
elfos.c
renos.c
santa.c
act_colab_05 > semaphores > elfos.c > elfo(int, int)
/*--
* Programación avanzada: Actividad 5
*
* Fecha: 12-05-2020
*
* Autor: Irving Alain Aguilar Pérez - A1703171
*
* Referencias: Ejercicios de https://github.com/Manchas2k4/advanced_programming/tree/master/ipc/semaphores
--/
/* [START] C Libraries */
#include "header.h"
void elfo(int num, int semid){
int helpElve;
while(1){
helpElve = (rand() % num) + 1;
printf("This is elf #%d\n", helpElve);
helpElve = rand() % 1;
OUTPUT
TERMINAL
DEBUG CONSOLE
PROBLEMS 1
1: zsh
m4uz@MacBook-Pro-de-Irving semaphores %
master*
A01703171@itesm.mx
Live Share
4 hrs 25 mins
Ln 12, Col 31
Spaces: 4
UTF-8
LF
C
Mac