#include <stdio.h>

#include <pthread.h>

#include <semaphore.h>

#include <unistd.h>

sem\_t mutex;

void\* thread(void\* arg)

{

sem\_wait(&mutex);

printf("\nEntered..\n");

sleep(4);

printf("\nJust Exiting...\n");

sem\_post(&mutex);

}

int main()

{

sem\_init(&mutex, 0, 1);

pthread\_t t1,t2;

pthread\_create(&t1,NULL,thread,NULL);

sleep(2);

pthread\_create(&t2,NULL,thread,NULL);

pthread\_join(t1,NULL);

pthread\_join(t2,NULL);

sem\_destroy(&mutex); r

eturn 0;

}