

```

static int glob = 0;
static pthread_mutex_t mtx = PTHREAD_MUTEX_INITIALIZER;

static void *threadFunc(void *arg)
{
    int j;
    for (j = 0; j < *((int *) arg); j++) {
        if ( pthread_mutex_lock(&mtx) != 0 ){}
        glob++;
        if ( pthread_mutex_unlock(&mtx) != 0 ){}
    }
    return NULL;
}

int main(int argc, char *argv[])
{
    pthread_t t1, t2;
    int loops;

    loops = (argc > 1) ? atoi(argv[1]) : 10000000;

    if( pthread_create(&t1, NULL, threadFunc, &loops) != 0 ){}

    if( pthread_create(&t2, NULL, threadFunc, &loops) != 0 ){}

    if( pthread_join(t1, NULL) != 0 ){}

    if( pthread_join(t2, NULL) != 0 ){}

    printf("glob = %d\n", glob);
    exit(EXIT_SUCCESS);
}

```