Note: I didn't include the previous functions here. To see them you can check previous lessons.

pthread_mutex_init()

Initialises a mutex referenced by mutex with attributes specified by attr.

SYNOPSIS

```
#include<pthread.h>
pthread_mutex_t mutex;
int pthread_mutex_init(pthread_mutex_t *restrict mutex,const pthread_mutexattr_t *restrict attr);
OR
pthread_mutex_t mutex = PTHREAD_MUTEX_INITIALIZER;
```

USAGE

```
#include <pthread.h>
pthread_mutex_t mutex;
pthread_mutex_init(&mutex, NULL);

OR
#include <pthread.h>
pthread_mutex_t mutex = PTHREAD_MUTEX_INITIALIZER;
```

LIBRARY

pthread_mutex_lock()

Locks the mutex and if the mutex is already locked, the calling thread blocks till the mutex becomes available.

SYNOPSIS

int pthread_mutex_lock(pthread_mutex_t *mutex);

USAGE

pthread_mutex_lock(&mutex);

LIBRARY

pthread_mutex_unlock()

Unlocks the mutex.

SYNOPSIS

int pthread_mutex_unlock(pthread_mutex_t *mutex);

USAGE

pthread_mutex_unlock(&mutex);

LIBRARY

pthread_mutex_destroy()

Destroys a mutex object referenced by mutex.

SYNOPSIS

int pthread_mutex_destroy(pthread_mutex_t *mutex);

USAGE

pthread_mutex_destroy(&mutex);

LIBRARY