Handout 13 COMP 304 Didem Unat

```
/* thread one runs in this function */
void *do_work_one(void *param) {
    pthread_mutex_lock(&first_mutex);
    pthread_mutex_lock(&second_mutex);

    /* Do some work */
    pthread_mutex_unlock(&second_mutex);
    pthread_mutex_unlock(&first_mutex);
}
```

```
/* thread two runs in this function */
void *do_work_two(void *param) {
    pthread_mutex_lock(&second_mutex);
    pthread_mutex_lock(&first_mutex);

    /* Do some work */

    pthread_mutex_unlock(&first_mutex);
    pthread_mutex_unlock(&second_mutex);
}
```