Lab 1 Documentation

### Bank accounts problem.

- Pick 2 accounts randomly and a random number which will represent the money to transfer from one account to another. The mutex will intervene to protect the transaction of money from the first account to the second one.

**Hardware:**

- 4GB RAM Memory

- 2.30 GHz Quad Core Intel i5-6300HQ

- Nvidia GTX 950M 2GB

- 64-bit Windows 10

**Test 1:**

- No. of Threads : 4

- No. of Accounts : 9

- Time consumed : 0.0000804\*4 sec

**Test 2:**

- No. of Threads : 9

- No. of Accounts : 8

- Time consumed : 0.0034359 + 1.3185494\*7 sec

**Test 3:**

- No. of Threads : 5

- No. of Accounts : 12

- Time consumed : 1.2717970\*5 sec

**Test 4:**

- No. of Threads : 4

- No. of Accounts : 7

- Time consumed : 1.1278616\*4 sec

**Test 5:**

- No. of Threads : 6

- No. of Accounts : 17

- Time consumed : 0.0016106 + 1.6289669\*5 sec

**Test 6:**

- No. of Threads : 3

- No. of Accounts : 16

- Time consumed : 0.0001635 + 0.0025786\*2 sec