**Vid 57 – Basic Threading**

Graphical user interface, text, application, chat or text message

Description automatically generated

Text, letter

Description automatically generated

T1 thread prepared when invoked to launch printA

T2 thread prepared to launch printAny w/ the argument 789

Graphical user interface, text, application

Description automatically generated

**Vid 59 – Assignment 1: Test Miner Using Threads**

* We want to create a wallet that contains a client that creates transactions at the request of probably a user
* Those transactions get received by a server which forms a list of transactions
* Then those are built into a block, and we mine it for a nonce that satisfies the requirements
* Next, we have client that sends those new blocks, any block that now has a valid nonce gets sent to a server on the wallet side. That server on the wallet side receives these blocks and puts them in a blockchain.

Graphical user interface, application

Description automatically generated

Client 🡪 2 Jobs

1. Create and send transactions
2. Query the balances in the blockchain

EX: if want to know # of coins you have & client will tell you by reading the block

Looking back at what happened last time and how we can improve our testing with threading

Thread that going to be the miner server Text, letter

Description automatically generated

**Vid 60 – Assignment 1 Solution**

Graphical user interface, text, application

Description automatically generatedTrying to get the minerServer and nonceFinder to run at the same time

Can do something like a loop here (1:23)

Text

Description automatically generatedOne issue were gonna have is that this nonce finding is going to take a long time

Text

Description automatically generated

**Vid 61 – Assignment 2: Wallet Client and Server**

13:54 🡪 good spot for comparing professor’s miner and wallet code

Text

Description automatically generated with medium confidence

**Different Outputs when using if verbose**

**A screenshot of a computer

Description automatically generated with medium confidence**

**Graphical user interface, text, application

Description automatically generatedVid 64 – Assignment 64: Saving and Restoring Keys**

<https://cryptography.io/en/latest/hazmat/primitives/asymmetric/rsa/#generation>



**Text

Description automatically generated with low confidenceVid 66 – Save and Restore Blocks and Transactions**