# Report

# Distributed Operating Systems (COP5615)

# Project 4.1

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# File details

1.  All the files get created in the transaction invoice folder in the root directory. Two types of files can be seen: .txt and .csv file.

    .csv file - contains the details of the participants and the transactions that are known to all participants.
    .txt file – is actually details of the wallet and the file name consists of the public and the private key of each participant . Number of files created is equal to the number of participants.

    Sample images for the sample output -
    Total participants = 5
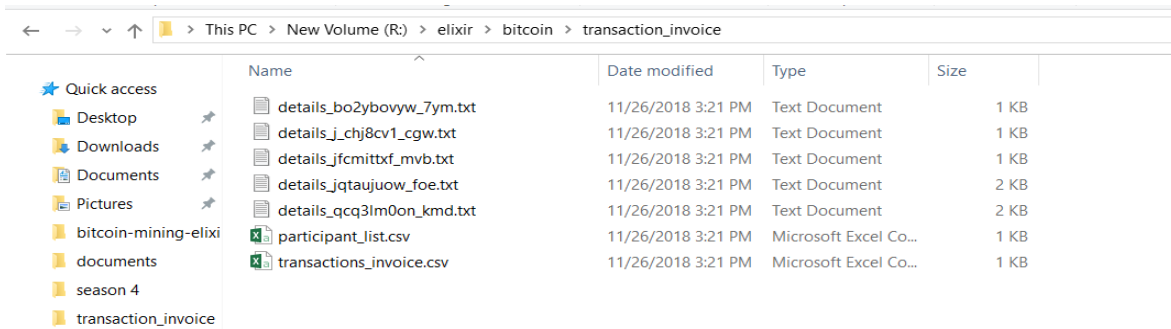    Number of transactions to be performed = 7



Fig. 1

2.  "Transactions_invoice.csv" contains the list of all transaction that took place like between whom did it take place and timestamp information.



Fig. 2

3. Contains the list of all participants with the amount they have been allocated in their wallet before the transactions.



Fig. 3

4. Complete wallet details as well as complete transaction invoice of a participant in which the participant was involved. It will be different for different participants. Ex-- participant with public key – bo2ybovyw has balance 155 (Fig. 3 & Fig. 4) and participated in 2 transactions (Fig. 2). Same transactions shown in the wallet of this participant (Fig. 4).



Fig. 4