Mayank Raj (B19CSE053)

Assignment-1

Readme

Requirements

- Python
- Pycryptodome

```
pip install pycryptodome
```

To run

```
python B19CSE053_ledger.py
```

Notes All users have 100 coins initially

Input Format

0 => Print the blochchain

eg:

```
0 #print blockchain
```

1 => Add transactions

After entering 1:

Transaction input format:

no. of transactions

index_of_user1 index_of_user2 transaction_amount transaction_fee

Note: Users index are from 1 to 20 and miner index are from 0 to 9

eg:

```
1 #Enter Transaction
3#Number of transac
1 2 50 15 #Transactions details user1 user2 amount transaction_fee/reward
```

2 => Print wallets of users and miners

eg:

```
2 #Print wallets
```

3 => exit

Note : Uncomment line 24 and 25 to give input from input.txt and see output in output.txt

- Implemented everything mentioned in the problem