

Nirbhay Sharma (B19CSE114)

Introduction to blockchain - Assignment - 2

Installing and setting up dependencies

Install the requirements using the conda .yaml file

First create the conda env

```
conda env create -n <env_name> -f env.yaml
```

Then activate the env

```
conda activate <env_name>
```

Create a database file or use the one provided

To create one db file use the following command

```
touch <database_name>.sqlite3
```

How to run

To run the file

If created new database

```
python b19cse114.py <database_name>.sqlite3
```

If using the provided one

```
python b19cse114.py db.sqlite3
```

Queries

All the queries are provided in the options

```
choices:
0 for doing transaction
1 for printing blockchain
2 for printing utxo for specific user
3 for printing utxo for specific miner
4 for answering query1
5 for answering query2
6 for answering query3
7 for answering query4
8 for answering query5
9 for answering query6
10 for answering query7
11 for exiting
```

options 4-10 holds the answers of each query