

Block Difficulty

1

2

5

Block Inspector

Which block would you like to see?

Block(record='Genesis', creator_id=...

Block(record='Genesis', creator_id=...

Block(data='This is my first block', r...

Block(data='This is my second bloc...

Block(data='This is my second bloc...

Block(data='Have a Happy Day!', re...

PyChain

Store a Transaction Record in the PyChain

Block Data

Have a Happy Day!

sender

Natasha

receiver

Minal

amount

180

Add Block

The PyChain Ledger

	record	creator_id	prev_hash	timestamp	nonce
0	Genesis	0	0	19:22:24	0
1	{ 'sender': 'Aj', 'rece...	42	ac56458e517f5a928dcd8e...	19:48:50	782
2	{ 'sender': 'Paul', 're...	42	0000cae7bd1cec1dd6b774...	20:04:30	298
3	{ 'sender': 'Adam', 're...	42	0003e10ea3a8da6ed7d6fd...	20:15:03	59
4	{ 'sender': 'Natasha', ...	42	00bf356c5a9cdadd05cb7f...	20:17:30	341

Validate Chain

Block Difficulty

1

2

5

Block Inspector

Which block would you like to see?

Block(record='Genesis', creator_id=...

Block(record='Genesis', creator_id=...

Block(data='This is my first block', r...

Block(data='This is my second bloc...

Block(data='This is my second bloc...

Block(data='Have a Happy Day!', re...

Block(data='Thank you!', record=Re...

PyChain

Store a Transaction Record in the PyChain

Block Data

Thank you!

sender

Rose

receiver

Amber

amount

2500

Add Block

The PyChain Ledger

	record	creator_id	prev_hash	timestamp	nonce
0	Genesis	0	0	19:22:24	0
1	{ 'sender': 'Aj', 'rece...	42	ac56458e517f5a928dcd8e...	19:48:50	782
2	{ 'sender': 'Paul', 're...	42	0000cae7bd1cec1dd6b774...	20:04:30	298
3	{ 'sender': 'Adam', 're...	42	0003e10ea3a8da6ed7d6fd...	20:15:03	59
4	{ 'sender': 'Natasha', ...	42	00bf356c5a9cdadd05cb7f...	20:17:30	341
5	{ 'sender': 'Rose', 're...	42	00d98b8439fdfe06f07247...	20:21:54	656

Validate Chain

Block Difficulty

2

1

5

Block Inspector

Which block would you like to see?

Block(record='Genesis', creator_id=0, prev_hash=0, timestamp='19:22:24', nonce=0)

Block(record='Genesis', creator_id=0, prev_hash=0, timestamp='19:22:24', nonce=0)

Block(data='This is my first block', record='Aj', receiver='Paul', amount=42, timestamp='19:48:50', nonce=782)

Block(data='This is my second block', record='Paul', receiver='Adam', amount=42, timestamp='20:04:30', nonce=298)

Block(data='This is my second block', record='Adam', receiver='Natasha', amount=42, timestamp='20:15:03', nonce=59)

Block(data='Have a Happy Day!', record='Natasha', receiver='Minal', amount=180, timestamp='20:17:30', nonce=341)

Store a Transaction Record in the PyChain

Block Data

Have a Happy Day!

sender

Natasha

receiver

Minal

amount

180

Add Block

The PyChain Ledger

	record	creator_id	prev_hash	timestamp	nonce
0	Genesis	0	0	19:22:24	0
1	{ 'sender': 'Aj', 'receiver': 'Paul', 'amount': 42 }	42	ac56658e517f5a928dcd8e...	19:48:50	782
2	{ 'sender': 'Paul', 'receiver': 'Adam', 'amount': 42 }	42	0000cae7bd1cecd6b774...	20:04:30	298
3	{ 'sender': 'Adam', 'receiver': 'Natasha', 'amount': 42 }	42	0003e10ea3a8da6ed7d6fd...	20:15:03	59
4	{ 'sender': 'Natasha', 'receiver': 'Minal', 'amount': 180 }	42	00bf356c5a9cdadd05cb7f...	20:17:30	341

Validate Chain

Block Difficulty

2

1

5

Block Inspector

Which block would you like to see?

Block(record='Genesis', creator_id=0, prev_hash=0, timestamp='19:22:24', nonce=0)

Block(record='Genesis', creator_id=0, prev_hash=0, timestamp='19:22:24', nonce=0)

Block(record='Genesis', creator_id=0, prev_hash=0, timestamp='19:22:24', nonce=0)

Store a Transaction Record in the PyChain

Block Data

This is my second block

sender

Paul

receiver

Sally

amount

5000

Add Block

The PyChain Ledger

	record	creator_id	prev_hash	timestamp	nonce
0	Genesis	0	0	19:22:24	0
1	{ 'sender': 'Aj', 'receiver': 'Paul', 'amount': 42 }	42	ac56658e517f5a928dcd8e...	19:48:50	782
2	{ 'sender': 'Paul', 'receiver': 'Sally', 'amount': 5000 }	42	0000cae7bd1cecd6b774...	20:04:30	298

Validate Chain

2021-10-03 15:47:22.805 Traceback (most recent call last):
File "/Users/binajariwala/opt/anaconda3/lib/python3.8/site-packages/ScreenCapture.py", line 350, in _run_script
exec(code, module.__dict__)
File "/Users/binajariwala/Desktop/WorkingUNCC/Homework/Module_18_Challenge/Starter_Code/pychain.py", line 202, in <module>
new_block = Block(
TypeError: __init__() missing 1 required positional argument: 'data'

Wining Hash 0000cae7bd1cec1dd6b77429599bc27d883ef55e029cb4b6a9538c2c06f07a18
Wining Hash 0003e10ea3a8da6ed7d6fdd5ef3a52ed81d9dbfc5c7a05d9b2b4ed6b578c3556
Wining Hash 00bf356c5a9cdadd05cb7fe4b2cf5103867af2a6303eefda312ad1f796ff35e6
Wining Hash 00d98b8439fdfe06f0724739e64fab0c49d7ac372237919d3f0fe2485e6cb451
Wining Hash 00a171a927d5bd1cd11193123b787ddfc2409e5338dc9697e7a0df81b2cdf40