

Output:

ACCOUNTS

BLOCKS

TRANSACTIONS

CONTRACTS

EVENTS

LOGS

SEARCH FOR BLOCK NUMBERS OR TX HASHES

CURRENT BLOCK
0

GAS PRICE
20000000000

GAS LIMIT
6721975

HAUSDORK
MERGE

NETWORK ID
5777

RPC SERVER
HTTP://127.0.0.1:7545

MINING STATUS
AUTOMINING

WORKSPACE
BLOCKCHAIN_COLLEGE

SWITCH

MNEMONIC

matter warm glare tuition region across frost leg quit position novel later

HD PATH

m44'60'0'0account_index

ADDRESS

0x3896876ae90A97c2D7c9c7FAF45cD0e6EE6A4CA9

BALANCE

100.00 ETH

TX COUNT

0

INDEX

0

ADDRESS

0xd1267D20Fc092e1E193b0bEa3c68A6721216C438

BALANCE

100.00 ETH

TX COUNT

0

INDEX

1

ADDRESS

0x3fd67FD29e400e9D836D673A916C91e5eba1740

BALANCE

100.00 ETH

TX COUNT

0

INDEX

2

ADDRESS

0x31E6253e51C0F074ecAc5614dbCE9fe738b39e74

BALANCE

100.00 ETH

TX COUNT

0

INDEX

3

ADDRESS

0xe7B03a9B2a1a7712bD8d1359480e9c4567ee2755

BALANCE

100.00 ETH

TX COUNT

0

INDEX

4

ADDRESS

0xF47c5C34D51510617aEE79552fac46773B82E167

BALANCE

100.00 ETH

TX COUNT

0

INDEX

5

ADDRESS

0x4Aa549344CD80b4d0E13187b58F71924E1B1492d

BALANCE

100.00 ETH

TX COUNT

0

INDEX

6

```
C:\WINDOWS\system32\cmd. x + v

95 packages are looking for funding
  run 'npm fund' for details
npm notice
npm notice New patch version of npm available! 10.8.1 -> 10.8.3
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.8.3
npm notice To update run: npm install -g npm@10.8.3
npm notice

C:\Users\thosp>cd OneDrive\Desktop\Tsec\Semester 7\BlockChain

C:\Users\thosp\OneDrive\Desktop\Tsec\Semester 7\BlockChain>cd blockchainProj

C:\Users\thosp\OneDrive\Desktop\Tsec\Semester 7\BlockChain\blockchainProj>truffle init

Starting init...
=====

> Copying project files to C:\Users\thosp\OneDrive\Desktop\Tsec\Semester 7\BlockChain\blockchainProj

Init successful, sweet!

Try our scaffold commands to get started:
$ truffle create contract YourContractName # scaffold a contract
$ truffle create test YourTestName        # scaffold a test

http://trufflesuite.com/docs

C:\Users\thosp\OneDrive\Desktop\Tsec\Semester 7\BlockChain\blockchainProj>
```

```
Welcome myContract.sol x
contracts > myContract.sol
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract MyContract {
5     string public greeting;
6
7     constructor(string memory _greeting) {
8         greeting = _greeting;
9     }
10
11     function setGreeting(string memory _greeting) public {
12         greeting = _greeting;
13     }
14 }
15
```

Compiling your contracts...

=====

✓ Fetching solc version list from solc-bin. Attempt #1

✓ Downloading compiler. Attempt #1.

> Compiling .\contracts\myContract.sol

> Artifacts written to C:\Users\thosp\OneDrive\Desktop\Tsec\Semester 7\BlockChain\blockchainProj\build\contracts

> Compiled successfully using:

- solc: 0.8.21+commit.d9974bed.Emscripten.clang

```

1  module.exports = {
2
3    networks: {
4
5      development: {
6        host: "127.0.0.1",
7        port: 7545,
8        network_id: "*",
9      },
10   },
11
12   mocha: {
13   },
14
15   compilers: {
16     solc: {
17       version: "0.8.21",
18     }
19   },
20 },
21 };

```

myContract.sol x JS 2_deploy_contracts.js JS truffle-config.js

contracts > myContract.sol

```

1  // SPDX-License-Identifier: MIT
2  pragma solidity ^0.8.0;
3
4  contract MyContract {
5    string public greeting;
6
7    constructor(string memory _greeting) {
8      greeting = _greeting;
9    }
10
11    function setGreeting(string memory _greeting) public {
12      greeting = _greeting;
13    }
14  }
15

```

Ganache

ACCOUNTS

BLOCKS

TRANSACTIONS

CONTRACTS

EVENTS

LOGS

SEARCH FOR BLOCK NUMBERS OR TX HASHES

CURRENT BLOCK
1

GAS PRICE
20000000000

GAS LIMIT
6721975

HARDFORK
MUIRGLACIER

NETWORK ID
5777

RPC SERVER
HTTP://127.0.0.1:7545

MINING STATUS
AUTOMINING

WORKSPACE
QUICKSTART

SAVE

SWITCH

TX HASH

0xbeaf173ad4cd01e85b065c72510194fcf5d3298021c416d50e4371c692e364c6

CONTRACT CREATION

FROM ADDRESS

0x014cB88CB8d5AFa5B8d52C3Ed419eA45A240C78A

CREATED CONTRACT ADDRESS

0xFDF8C476DccaEfBDddbA1E5301386B6c13c79B2

GAS USED

129799

VALUE