

19BCE248

BCT

Practical 8

AIM: To design and develop end-to-end decentralized applications (Dapps).


Code:

```
pragma solidity ^0.6.0;
contract sample_dapp {
    uint value;
    function initialize (uint x) public {
        value = x;
    }
    function get() view public returns (uint){
        return value;
    }
}
```

Mining Procedure:

Goerli PoW Faucet

Move over to the sepolia testnet for anything except validator testing.



Your Mining Reward:	Current Hashrate:
0 GöETH	201.28 H/s
Number of Workers:	32 / 32
Minimum Claim Reward:	0.01 GöETH
Maximum Claim Reward:	1.25 GöETH
Remaining Session Time:	4h 59min
Total Shares:	0

Collecting rewards through mining:

Claim Mining Rewards

Target Address:

0x2CC67FE5Cb0988526aDB08e82E813cCfe57188A

Claimable Reward:

0.01 G6ETH

Claimable until:

2022-11-17 00:24 (11h 48min)

Claim Transaction has been confirmed in block #7962337!

TX: [0x8b108f6621d2c4a4f5e48affa3f45a6df5084791e61fcd8fc17bd9f46ac0ea11](#)

Close

Making first Dapp:

Edit Dapp

My First Dapp

Name

My First Dapp

Description

Just a sample implementation of DApp

Abi

[
{
"type": "function",
"name": "mint",
"inputs": [
"uint256"
],
"outputs": [
"uint256"
],
"constant": false
},
"
"]
]

Contract address

0xd9145CCE52D386f254917e481eB44e9943F39138

Network name

Use "homestead" for ethereum mainnet. Leave blank for a custom network.
goerli

My First Dapp

goerli

Created 16 November 2022

Edit

+ New Dapp

Contract

0xf8e81D47203A594245E36C48e151709F0C19fBe8

ABI

initialize, get, ...

Read

Write

Complete description of the transaction:

Transaction Hash:	0x8b108f6621d2c4a4f5e48affa3f45a6df5084791e61fcd8fc17bd9f46ac0ea11
Status:	Success
Block:	7962337 1 Block Confirmation
Timestamp:	12 secs ago (Nov-16-2022 07:05:24 AM +UTC)
From:	0x6cc9397c3b38739dacbf9a68ead5f5d77ba5f455
To:	0x2cc67fe5cbf0988526adb08e82e813ccfe57188a
Value:	0.013704208026007348 Ether (\$0.00)
Transaction Fee:	0.001662305789655 Ether (\$0.00)
Gas Price:	0.000000079157418555 Ether (79.157418555 Gwei)

Running of the program:

initialize (uint256)

X

10

SUBMIT

To set the value we will use some reward amount:

Goerli test network

Account 1

0xf8e...fBe8

New address detected! Click here to add to your address book.

New gas experience

We've updated how gas fee estimation and customization works.

Turn on enhanced gas fee UI in Settings

DETAILS

DATA

HEX

Total

0.00270324

0.00270324 GoerliETH

Amount + gas fee

Max amount:

0.00270324 GoerliETH

Reject

Confirm

Some links for ref:

<https://goerli-faucet.pk910.de/>

<https://metamask.io/>

<https://oneclickdapp.com/>