

Background submission for 2K DAO

Username: m00npapi

Hello_world – store/retrieve int example

DEPLOY & RUN TRANSACTIONS

ENVIRONMENT
JavaScript VM (London)

ACCOUNT
0x5B3...edc4 (99.999999%)

GAS LIMIT
3000000

VALUE
0 Wei

CONTRACT
HelloVote - contracts/Hello_world.sol

Deploy

☐ Publish to IPFS

OR

At Address Load contract from Address

Transactions recorded 2

Deployed Contracts

HELLOVOTE AT 0xd91...39138 (MEM)

StoreInt 25

retrieveInt

Low level interactions

CALLDATA

Transact

1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract HelloVote {
5
6
7 // initialize some variable for uint
8 uint256 input;
9
10
11 // function to store interger is public and takes some input of uint
12 function StoreInt (uint some_number) public {
13 input = some_number;
14 }
15
16 // function to retrieve is public and returns a uint
17 function retrieveInt () public view returns (uint) {
18 return input;
19 }
20
21 }

ContractDefinition HelloVote 1 reference(s)

☐ listen on network Search with transaction hash or address

- ethers.js
- remix

Type the library name to see available commands.
creation of hellovote pending...

✓ [vm] from: 0x5B3...edc4 to: HelloVote.(constructor) value: 0 wei data: 0x00...70033 logs: 0 hash: 0xd9e...61373
transact to hellovote.storeint pending ...

✓ [vm] from: 0x5B3...edc4 to: HelloVote.StoreInt(uint256) 0xd91...39138 value: 0 wei data: 0x004...00019 logs: 0 hash: 0x272...b9971
call to hellovote.retrieveInt

❌ [call] from: 0x5B380ada701c508545dcf803fc8875f56bedc4 to: HelloVote.retrieveInt() data: 0x5e6...1d534

Debug

execution cost

43702 gas

input

0x0d4...00019

Copy

decoded input

{
"uint256 some_number": "25"
}

decoded output

{}

to

HelloVote.retrieveInt() 0xd9145CCE52D386F254917e481eB44e9943F39138

execution cost

23501 gas (Cost only applies when called by a contract)

input

0x5e6...1d534

decoded input

{}

decoded output

{
"0": "uint256: 25"
}

logs

[]

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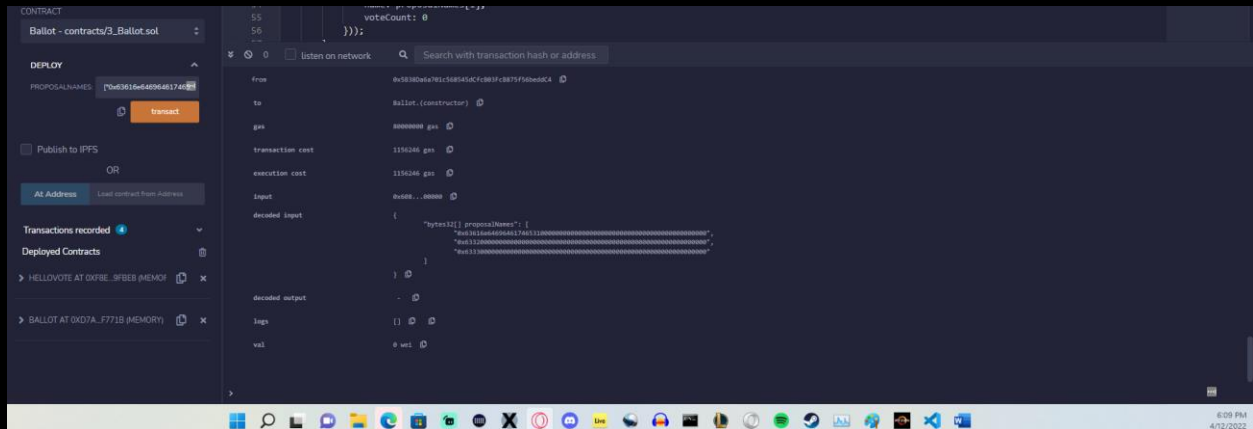
Ballot Contract with 5 minute time limit/modifier

Ballot input

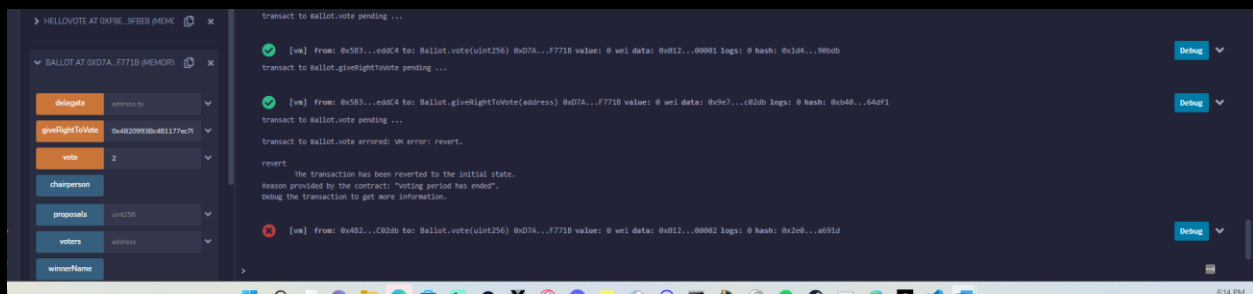
["candidate1", "c2", "c3"] → bytes32[]

[illegible]

Voting starting 6:09 pm est



Voting ended: 6:14 pm est



```
commit a8400d554e365b77507fbb542e7bbd3d521ddc8e
```

<https://github.com/mugrebot/ZKstarter.git>