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remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&versic



58



SOLIDITY COMPILER

COMPILER +

0.8.18+commit.87f61d96

☐ Include nightly builds

Solidity compiler

Compile



☐ Hide warnings



Advanced Configurations



Compile Dharini V.sol

Compile and Run script



CONTRACT



Home



Dharini V.sol



```
1 // SPDX-License-Identifier:MIT
2 pragma solidity ^0.8.0;
3
4 contract NameValueStorage {
5     string public nameValue;
6
7     function setName(string memory newName)
8         nameValue = newName;
9     }
10
11     function getName() public
12         return nameValue;
13     }
14 }
```



listen on all transactions



Search with transaction hash



0x4846351a21955824009bdf5a536d7558data00...

Stop debugging

Function Stack

No data available

Solidity State

nonexistent - pending

Solidity Logs

No data available

Step details

on-chain step 0
operation step 0
add memory
gas 2
remaininggas: 432442
local address: 0x00
step 0

Call Stack

Current Operation - Step 0

Full Storage Changes

Current Operation - Step 0

Stack

No data available

Memory

No data available

Storage (Complete... Loaded)

No data available

Return Value

0 - Output

Global

Variables

block.chainId: 0x00

block.coinbase: 0x00

block.difficulty: 0

block.gasLimit: 0x00

block.number: 0

block.timestamp: 0x00

gas: 0

gas.remaining: 0x00

gasUsed: 0x00

msg.sender: 0x00

msg.value: 0x00

tx.gasLimit: 0x00

tx.gasPrice: 0x00

tx.maxFeePerGas: 0x00

tx.maxPriorityFeePerGas: 0x00

tx.type: 0x00

tx.value: 0x00

tx.data: 0x00

tx.dataGas: 0x00

tx.dataGasPrice: 0x00

tx.dataGasPriceGas: 0x00

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```
function setName(string memory newName)
    nameValue = newName;
}

function getName() public
    return nameValue;
}
```

Open on all transactions Search with Virtual Function Hooks

- Execute Javascript scripts:
 - Input a script directly in the command line interface
 - Select a Javascript file in the file explorer and then run "rexx.execute()" or "rexx.executeScript()" in the command line interface
 - Right click on a Javascript file in the file explorer and then click "Run"

The following libraries are accessible:

- solidjs, 1.3.2
- ethers.js
- rexx

Type the library name to use available commands... creation of NameValueStorage pending...

```
[vm] from: 0x000...0000
to: NameValueStorage.constructor()
value: 0x000...0000 ... 0x000...0000
```

Debug

0x5B31...addC4 (99.99999999999999) 1 0 0

GAS LIMIT
3000000

VALUE
0 Wei

CONTRACT
NameValueStorage - Dharm Vaid

[View source code](#)

[Deploy](#)

☐ Publish to Ethers

[Get Address](#)

Transactions recorded 1 0

Deployed Contracts

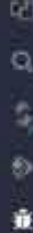
- NAMEVALUESTORAGE AT 0x000...0000 (MINE)
- NAMEVALUESTORAGE AT 0x000...0000 (MINE)

```
1 function setName(string memory newName,
2   nameValue = newName;
3   }
4
5
6
7
8   function getName() public
9     return nameValue;
10  }
11
12
13
14
```

View all transactions Search with transaction hash...

gas	61766 gas
transaction cost	61079 gas
execution cost	9000 gas
input	6000...0000
decoded input	()
decoded output	-
logs	11
abi	0x00...

creation of NameValueStorage pending...



0x4845351a2f855924008b0d5a536d7...

Start debugging

When Debugging with a transaction hash, if the contract is verified, Remix will try to fetch the source code from [Solidity](#) or [Etherscan](#). Put in your Etherscan API key in the Remix settings. For supported networks, please see: [Solidity docs](#) & [https://etherscan.io/contract/verified](#)

```
1
2
3
4 contract NameValueStorage {
5     string public nameValue;
6
7     function setName(string memory newName) public
8         nameValue = newName;
9
10
11     function getName() public view
12         returns (string) {
13         return nameValue;
14     }
15 }
```

View on all transactions

Search with Ethereum type hash or address

- Check transaction details and start debugging.
- Execute JavaScript scripts
 - Paste a script directly in the command line interface
 - Select a JavaScript file in the file explorer and then run `runJs.execute()` or `runJs.execute()` in the command line interface
 - Right click on a JavaScript file in the file explorer and then click "Run"

The following libraries are accessible:

- web3 version 1.5.2
- ethers.js
- remix

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

[url] from: 0x4845351a2f855924008b0d5a536d7...
the NameValueStorage (constructor) value: 0x4845351a2f855924008b0d5a536d7...

Debug