



Chrome File Edit View History Bookmarks Profiles Tab Window Help Thu Apr 11 1:20 PM

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.25+commit.b61c2a91.js Relaunch to update

DEPLOY & RUN TRANSACTIONS

Transactions recorded 2

☐ Run transactions using the latest compilation result

Save Run

Pinned Contracts (vm: vm-cancun)

No pinned contracts found for selected workspace & network

Deployed/Unpinned Contracts

> SAFEMATH AT 0XD91...39138

ARRAYMANIPULATION AT 0XI

Balance: 0 ETH

removeDupli...
sortArray

dataArray uint256
getDataArray
getDataArray - call

0: uint256[]: 11,22,25,22,26,21,1,11

Low level interactions

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 import "@openzeppelin/contracts/utils/math/SafeMath.sol";
5
6 contract ArrayManipulation {
7     using SafeMath for uint256;
8
9     uint256[] public dataArray;
10
11     constructor(uint256[] memory initialData) {
12         dataArray = initialData;
13     }
14
15     function sortArray() external {
16         bubbleSort();
17     }
18
19     function removeDuplicatesFromArray() external {
20         uint256[] memory uniqueArray = new uint256[](dataArray.length);
21         uint256 uniqueCount = 0;
22
23         for (uint256 i = 0; i < dataArray.length; i++) {
24             if (!contains(uniqueArray, uniqueCount, dataArray[i])) {
25                 uniqueArray[uniqueCount] = dataArray[i];
26                 uniqueCount++;
27             }
28         }
29     }
30 }
```

0 ☐ Listen on all transactions Filter with transaction hash or address

[vm] from: 0x583...eddC4 to: ArrayManipulation.constructor value: 0 wei data: 0x608...0000b logs: 0
hash: 0xdc0...e7b42
call to ArrayManipulation.getDataArray

call [call] from: 0x58380a6a701c568545dCfcB83FcB875f56beddC4 to: ArrayManipulation.getDataArray() data: 0xa17...0b5ac

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DEPLOY & RUN TRANSACTIONS

Transactions recorded 3

Run transactions using the latest compilation result

Save Run

Pinned Contracts (VM: vm-cancun)

No pinned contracts found for selected workspace & network

Deployed/Unpinned Contracts

> SAFEMATH at 0xD91...39138

> ARRAYMANIPULATION at 0x1

Balance: 0 ETH

removeDupli...
sortArray
dataArray
getDataArray

0: uint256[]: 11,22,25,22,26,21,11

Low level interactions

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 import "@openzeppelin/contracts/utils/math/SafeMath.sol";
5
6 contract ArrayManipulation {
7     using SafeMath for uint256;
8
9     uint256[] public dataArray;
10
11     constructor(uint256[] memory initialData) {
12         dataArray = initialData;
13     }
14
15     function sortArray() external {
16         bubbleSort();
17     }
18
19     function removeDuplicatesFromArray() external {
20         uint256[] memory uniqueArray = new uint256[](dataArray.length);
21         uint256 uniqueCount = 0;
22
23         for (uint256 i = 0; i < dataArray.length; i++) {
24             if (!contains(uniqueArray, uniqueCount, dataArray[i])) {
25                 uniqueArray[uniqueCount] = dataArray[i];
26                 uniqueCount++;
27             }
28         }
29     }
30 }
```

[call] from: 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 to: ArrayManipulation.getDataArray() data: 0x1...0b5ac
transact to ArrayManipulation.sortArray pending ...

[vm] from: 0x5B3...eddC4 to: ArrayManipulation.sortArray() 0xd8b...33fa8 value: 0 wei data: 0x06...afde2 Logs: 0
hash: 0xc18...f086a

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DEPLOY & RUN TRANSACTIONS

Transactions recorded 4

Run transactions using the latest compilation result

Save Run

Pinned Contracts (VM: vm-cancun)

No pinned contracts found for selected workspace & network

Deployed/Unpinned Contracts

> SAFEMATH at 0xD91...39138

> ARRAYMANIPULATION at 0x1

Balance: 0 ETH

removeDupli...
sortArray
dataArray
getDataArray

0: uint256[]: 11,22,25,22,26,21,11

Low level interactions

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 import "@openzeppelin/contracts/utils/math/SafeMath.sol";
5
6 contract ArrayManipulation {
7     using SafeMath for uint256;
8
9     uint256[] public dataArray;
10
11     constructor(uint256[] memory initialData) {
12         dataArray = initialData;
13     }
14
15     function sortArray() external {
16         bubbleSort();
17     }
18
19     function removeDuplicatesFromArray() external {
20         uint256[] memory uniqueArray = new uint256[](dataArray.length);
21         uint256 uniqueCount = 0;
22
23         for (uint256 i = 0; i < dataArray.length; i++) {
24             if (!contains(uniqueArray, uniqueCount, dataArray[i])) {
25                 uniqueArray[uniqueCount] = dataArray[i];
26                 uniqueCount++;
27             }
28         }
29     }
30 }
```

[vm] from: 0x5B3...eddC4 to: ArrayManipulation.sortArray() 0xd8b...33fa8 value: 0 wei data: 0x06...afde2 Logs: 0
hash: 0xc18...f086a
transact to ArrayManipulation.removeDuplicatesFromArray pending ...

[vm] from: 0x5B3...eddC4 to: ArrayManipulation.removeDuplicatesFromArray() 0xd8b...33fa8 value: 0 wei
data: 0x45b...01c57 Logs: 0 hash: 0x9e0...25d6a