

Solidity - Strings - Tutorialspoint

Remix - Ethereum IDE

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Reading list

SOLIDITY COMPILER

Solidity

EVM VERSION

compiler default

COMPILER CONFIGURATION

☐ Auto compile

☐ Enable optimization 200

☐ Hide warnings

Compile 01.sol

CONTRACT

Solidity01 (01.sol)

Publish on Swarm

Publish on Ipfs

Compilation Details

ABI

Bytecode

01sol

1 // SPDX-License-Identifier: MIT

2

3 pragma solidity >=0.4.22 <0.8.0;

4

5 contract Solidity01 {

6

7 struct Book {

8 string title;

9 string author;

10 uint book\_id;

11 }

12

13 Book book;

14

15 function setBook() public {

16 book = Book('Solidity-101', 'Hello Another World', 101);

17 }

18

19 function getBookId() public view returns (uint) {

20 return book.book\_id;

21 }

22

23 function getBookAuthor () public view returns(string memory) {

24 return book.author;

25 }

26

27 function getBookTitle () public view returns(string memory) {

28 return book.title;

29 }

30 }

31 }

0

☐ listen on network

Search with transaction hash or address

[call] from: 0x5838Da6a701c568545dCfcB03FcB875f56beddC4 to: SolidityTest01.getResult()

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DEPLOY & RUN TRANSACTIONS

WEI

Deploy

☐ Publish to IPFS

OR

At Address

Load contract from Address

Transactions recorded 1

Deployed Contracts

SOLIDITY01 AT 0XD7C...FAC5F (MEMOI)

setBook

getBookAuthor

getBookId

getBookTitle

01.sol

```
1 // SPDX-License-Identifier: MIT
2
3 pragma solidity >=0.4.22 <0.8.0;
4
5 contract Solidity01 {
6
7     struct Book {
8         string title;
9         string author;
10        uint book_id;
11    }
12
13    Book book;
14
15    function setBook() public {
16        book = Book('Solidity-101', 'Hello Another World', 101);
17    }
18
19    function getBookId() public view returns (uint) {
20        return book.book_id;
21    }
22
23    function getBookAuthor () public view returns(string memory) {
24        return book.author;
25    }
26
27    function getBookTitle () public view returns(string memory) {
28        return book.title;
29    }
30
31 }
```

0

☐ listen on network

Search with transaction hash or address

[call] from: 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 to: SolidityTest01.getResult()

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DEPLOY & RUN TRANSACTIONS

☐ Publish to IPFS

OR

At AddressLoad contract from Address

Transactions recorded 2

Deployed Contracts

SOLIDITY01 AT 0XD7C...FAC5F (MEMOI)

setBook

getBookAuthor

0: string: Hello Another World

getBookId

0: uint256: 101

getBookTitle

0: string:

Low level interactions

CALLDATA

01sol

```
1 // SPDX-License-Identifier: MIT
2
3 pragma solidity >=0.4.22 <0.8.0;
4
5 contract Solidity01 {
6
7     struct Book {
8         string title;
9         string author;
10        uint book_id;
11    }
12
13    Book book;
14
15    function setBook() public {
16        book = Book('Solidity-101', 'Hello Another World', 101);
17    }
18
19    function getBookId() public view returns (uint) {
20        return book.book_id;
21    }
22
23    function getBookAuthor () public view returns(string memory) {
24        return book.author;
25    }
26
27    function getBookTitle () public view returns(string memory) {
28        return book.title;
29    }
30
31 }
```

0☐ listen on networkSearch with transaction hash or address

[call] from: 0x5B38Da6a701c568545dCfC803FcB875f56beddC4 to: SolidityTest01.getResult()