

FILE EXPLORER

WORKSPACES

default_workspace

- artifacts
- contracts
- scripts
- tests
- .prettierrc.json
- helloworld.sol
- README.txt

REMIX

The Native IDE for Web3 Development.

[Website](#) [Documentation](#) [Remix Plugin](#) [Remix Desktop](#)

Search Documentation

Files

New File Open File

Access File System

Load from

GitHub Gist IPFS HTTPS

Learn


Remix Basics

0 ☐ listen on all transactions

Search with transaction hash or address

Type the library name to see available commands.

Featured



BETA TESTING

Our community supports us.

Help us beta test releases now and get a handle on new features!

Sign up

Get Started - Project Templates

GNOSIS SAFE MULTISIG

Create Multi-Signature wallets using this template.


OXPROJECT ERC20


Create an ERC20 token by importing OxProject contract.


OPENZEPPELIN ERC20

Create an ERC20 token by importing OpenZeppelin lib

Featured Plugins







FILE EXPLORER

WORKSPACES

default_workspace

artifacts

contracts

scripts

tests

.prettierrc.json

helloworld.sol

README.txt

Zonename.sol

1

0

☐ listen on all transactions

Type the library name to see available commands.

>

Assignment - swethayogam@gm x Remix - Ethereum IDE x +

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

Gmail YouTube Maps New Tab All Bookmarks

FILE EXPLORER

WORKSPACES

default_workspace

artifacts
contracts
scripts
tests
.prettierrc.json
helloworld.sol
README.txt
Zonename.sol

Zonename.sol

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract ZoneNameContract {
5     string private zoneName;
6
7     constructor() { infinite gas 110400 gas
8         zoneName = "zone 7";
9     }
10
11     function getZoneName() public view returns (string memory) { infinite gas
12         return zoneName;
13     }
14 }
```

0 ☐ listen on all transactions Search with transaction hash or address

Type the library name to see available commands.

27°C Sunny Search ENG IN 09:28 03-10-2023

Assignment - swethayogam@gm X Remix - Ethereum IDE X +

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

Gmail YouTube Maps New Tab All Bookmarks

FILE EXPLORER

WORKSPACES

default_workspace

artifacts
contracts
scripts
tests
.prettierrc.json
helloworld.sol
README.txt
Zonename.sol

Zonename.sol X

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract ZoneNameContract {
5     string private zoneName;
6
7     constructor() { infinite gas 110400 gas
8         zoneName = "zone 7";
9     }
10
11     function getZoneName() public view returns (string memory) { infinite gas
12         return zoneName;
13     }
14 }
```

listen on all transactions Search with transaction hash or address

Type the library name to see available commands.

27°C Sunny Search ENG IN 09:28 03.10.2023

Assignment - swethayogam@gm x Remix - Ethereum IDE x +

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

Gmail YouTube Maps New Tab All Bookmarks

SOLIDITY COMPILER

COMPILER +

0.8.18+commit.87f61d96

☐ Include nightly builds

☐ Auto compile

☐ Hide warnings

Advanced Configurations >

Compile Zonename.sol

Compile and Run script

CONTRACT

ZoneNameContract (Zonename.sol)

Publish on Ipfs Publish on Ipfs

Publish on Swarm

Compilation Details

ABI Bytecode

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract ZoneNameContract {
5     string private zoneName;
6
7     constructor() { infinite gas 110400 gas
8         zoneName = "zone 7";
9     }
10
11     function getZoneName() public view returns (string memory) { infinite gas
12         return zoneName;
13     }
14 }
```

listen on all transactions Search with transaction hash or address

Type the library name to see available commands.

27°C Sunny Search

09:28 03-10-2023



Assignment - swethayogam@gm x Remix - Ethereum IDE x +

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

Gmail YouTube Maps New Tab All Bookmarks

SOLIDITY COMPILER

COMPILER +

0.8.18+commit.87f61d96

☐ Include nightly builds

☐ Auto compile

☐ Hide warnings

Advanced Configurations >

Compile Zonename.sol

Compile and Run script

CONTRACT

ZoneNameContract (Zonename.sol)

Publish on Ipfs

Publish on Swarm

Cc Copied Details

ABI Bytecode

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract ZoneNameContract {
5     string private zoneName;
6
7     constructor() { infinite gas 110400 gas
8         zoneName = "zone 7";
9     }
10
11     function getZoneName() public view returns (string memory) { infinite gas
12         return zoneName;
13     }
14 }
```

listen on all transactions Search with transaction hash or address

Type the library name to see available commands.

27°C Sunny 09:28 03-10-2023

ABI Code

```
[
  {
    "inputs": [],
    "stateMutability": "nonpayable",
    "type": "constructor"
  },
  {
    "inputs": [],
    "name": "getZoneName",
    "outputs": [
      {
        "internalType": "string",
        "name": "",
        "type": "string"
      }
    ],
    "stateMutability": "view",
    "type": "function"
  }
]
```

Ln 1, Col 9

100%

Windows (CRLF)

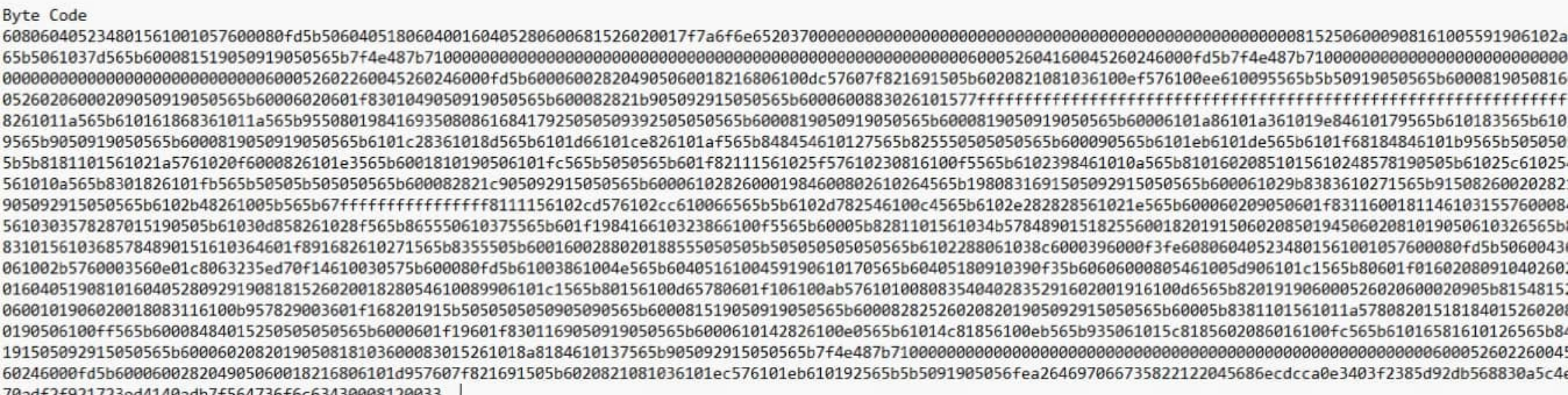
UTF-8



Search



Scanned with OKEN Scanner





Assignment - swethayogam@gm x Remix - Ethereum IDE x +




remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.18+commit.87f61d96.js

Gmail YouTube Maps New Tab All Bookmarks


DEPLOY & RUN TRANSACTIONS


ENVIRONMENT  **Remix VM (Shanghai)** 

Solidity compiler

ACCOUNT  **0x5B3...eddC4 (99.999999)**  

GAS LIMIT **3000000**


VALUE **0** Wei 


CONTRACT **ZoneNameContract - Zonename.sol** 


evm version: paris



Deploy




☐ Publish to IPFS


At Address  Load contract from Address

Transactions recorded **4** 

Home Zonename.sol 

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract ZoneNameContract {
5     string private zoneName;
6
7     constructor() {  infinite gas 110400 gas
8         zoneName = "zone 7";
9     }
10
11     function getZoneName() public view returns (string memory) {  infinite gas
12         return zoneName;
13     }
14 }
```

  0 ☐ listen on all transactions  Search with transaction hash or address

 [vm] from: 0x5B3...eddC4 to: ZoneNameContract.(constructor) value: 0 wei data: 0x608...20033 logs: 0 hash: 0xf05...72149 **Debug** 