



FILE EXPLORER ✓ >

WORKSPACES

default_workspace



- contracts
- scripts
- tests
- .prettierrc.json
- README.txt



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REMIX

*The Native IDE for Web3 Dev*[Website](#) [Documentation](#) [Rem](#)[Plugin](#) [Remix Desktop](#)

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IPFS

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Remix Basics

An introduction to Remix's in
basic c

Get S

Intro

- ether
- remix

Type the library name



FILE EXPLORER ✓ >

WORKSPACES

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Learn

Remix Basics

An introduction to Remix's
basic operations.

Get Started

Intro to Solidity



0



listen on all tra

• [ethers.js](#)

• remix

Type the library name

10:02 AM

🔊 🔌 4G LTE 📶 75

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

2



SOLIDITY COMPILER

COMPILER + 📄

0.8.18+commit.87f61d96

☐ Include nightly builds

Solidity compiler

Compile

The content has changed, needs recompilation

Advanced Configurations >

🔄 Compile Helloworld.sol

Compile and Run script



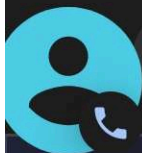
Home



Helloworld.sol



```
1 Identifier: MIT
2 ^0.8.0;
3
4 contract {
5     uint zoneName;
6
7     constructor() {
8         // infinite gas 110400 gas
9         zoneName = "zone 7";
10    }
11
12    function getZoneName() public returns (string) {
13        return zoneName;
14    }
15 }
```



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2



SOLIDITY COMPILER



COMPILER +

0.8.18+commit.87f61d96

☐ Include nightly builds☐ Auto compile☐ Hide warnings

Advanced Configurations >

Compile Helloworld.sol

Ctrl+S to compile Helloworld.sol

Compile and run

script



CONTRACT

ZoneNameContract (Hellowor

Publish on Ipfs



Publish on Swarm



Compilation Details



ABI



Bytecode



```
1  Ident
2  ^0.8
3
4  neCon
5  te z
6
7  tor(
8  zone
9
10
11
12
13
14
```



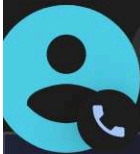
0



li

- ethers.js
- remix

Type the lib



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SOLIDITY COMPILER



COMPILER +

0.8.18+commit.87f61d96

☐ Include nightly builds☐ Auto compile☐ Hide warnings

Advanced Configurations >

Compile Helloworld.sol

Compile and Run
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ZoneNameContract (Hellowor

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Copied on Details



ABI



Bytecode



```
1  Ident
2  ^0.8
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14
```



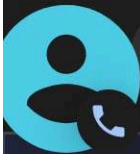
0



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- ethers.js
- remix

Type the lib



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SOLIDITY COMPILER



COMPILER +

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☐ Include nightly builds☐ Auto compile☐ Hide warnings

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ZoneNameContract (Hellowor

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Comp Copiedails



ABI



Bytecode



```
1 Ident
2 ^0.8
3
4 neCon
5 te z
6
7 tor(
8 zone
9
10
11
12
13
14
```



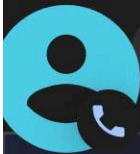
0



li

- ethers.js
- remix

Type the lib



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2

DEPLOY & RUN
TRANSACTIONS

ENVIRONMENT

Remix VM (Shanghai)

VM

ACCOUNT

0x5B3...eddC4 (1)

GAS LIMIT

Deploy & run transactions

VALUE

0

Wei

CONTRACT

ZoneNameContract - Hellc

evm version: paris

Deploy

☐ Publish to IPFS

At Address

Load contract from

Transactions
recorded

0



Deployed Contracts

Currently you have no
contract instances to

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Identifi

^0.8.0

neContr

ite zon

tor()

zoneNa

}



0

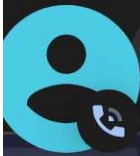


liste

• ethers.js

• remix

Type the libra



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2



```
2 ^0.8.0;
3
4 contract {
5     uint zoneName;
6
7     constructor() {  infinite gas 1
8         zoneName = "zone 7";
9     }
10
11     function getZoneName() public view returns (string) {
12         return zoneName;
13     }
14 }
```

world.sol

act (not payable)

Address

☒ 0 ☐ listen on all transactions

C. (CONSTRUCTOR)

value: 0 wei

data:

0x608...20033

logs: 0

hash:

0x608...20033

Debug



>



remix.ethereum.org/#lang=e

2



GAS LIMIT

3000000

VALUE

0

Wei

CONTRACT

ZoneNameContract - Helloworld.sol

evm version: paris

Deploy



Publish to IPFS

At Address

Load contract from Address

Transactions recorded 1 ⓘ >

Deployed Contracts



▼ ZONENAMECONTRACT AT 0XD9



Balance: 0 ETH

getZoneName

Low level interactions ⓘ

CALLDATA

Transact

2

3

4

5

6

7

8

9

10

11

12

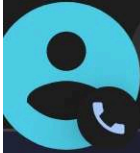
13

14



0





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2



```
2   ^0.8.0;
3
4   contract {
5       uint zoneName;
6
7       constructor() {  infinite gas 1
8           zoneName = "zone 7";
9       }
10
11       function getZone
12           return
13       }
14   }
```

Address



ne - call



Transact

☒ 0 ☐ listen on all transactions

ZoneNameContrac
t.getZoneName()
data:
0x235...ed70f

>

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

FILE EXPLORER

WORKSPACES

default_workspace

contracts

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.prettierrc.json

helloworld.sol

README.txt

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

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

- web3 version 1.5.2
- ethers.js
- remix

Type the library name to see available commands.

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Remix - Ethereum IDE

ChatGPT

New Tab

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DEPLOY & RUN TRANSACTIONS

ENVIRONMENT

Remix VM (Shanghai)

ACCOUNT

0x5B3...eddC4 (99.999999%)

GAS LIMIT

3000000

VALUE

0 Wei

CONTRACT

ZoneNameContract - helloworld.sol

evm version: paris

Deploy

☐ Publish to IPFS

At Address Load contract from Address

Transactions recorded

Deployed Contracts

ZoneNameContract AT 0xD9

Balance: 0 ETH

getZoneName

0: string: zone 7

helloworld.sol

```
1 // SPDX-License-Identifier: MIT
2 pragma solidity ^0.8.0;
3
4 contract ZoneNameContract {
5     string private zoneName;
6
7     constructor() {
8         zoneName = "zone 7";
9     }
10
11     function getZoneName() public view returns (string memory) {
12         return zoneName;
13     }
14 }
15
```

☐ listen on all transactions

Search with transaction hash or address

Type the library name to see available commands.
Waiting for GPT answer...
The error occurred because there is an invalid character in line 13, which is a non-breaking space. This character is not recognized as valid syntax in Solidity, hence the "Invalid token" error message.
To fix the error, simply remove the invalid character, which is the non-breaking space, and replace it with a regular space. After making this correction, the code will be syntactically correct.
creation of ZoneNameContract pending...

✓ [vm] from: 0x5B3...eddC4 to: ZoneNameContract.(constructor) value: 0 wei data: 0x608...20033 logs: 0 hash: 0x95b...66a63

call to ZoneNameContract.getZoneName

call [call] from: 0x5B38Da6a701c568545dCfcB03Fc8875f56beddC4 to: ZoneNameContract.getZoneName() data: 0x235...ed78f