

```
// SPDX-License-Identifier: GPL-3.0
pragma solidity ^0.8.26;
```

```
contract Bank {
    address public owner;
    uint public balance;

    constructor() {
        owner = msg.sender;
    }

    function deposit() external payable {
        balance += msg.value;
    }

    function withdraw(uint _amount) external {
        require(msg.sender == owner, "Only the owner can withdraw");
        require(balance >= _amount, "Insufficient balance!");
        payable(owner).transfer(_amount);
        balance -= _amount;
    }
}
```

The screenshot shows the Remix IDE interface. On the left, the 'DEPLOY & RUN TRANSACTIONS' panel is active, displaying a 'contract.sol' file. Below it, the 'Transactions recorded' section shows a list of transactions. The 'Pinned Contracts' section indicates that no pinned contracts were found for the selected workspace and network. The main workspace displays the 'Bank.sol' contract code, which defines a 'Bank' contract with a 'public owner' and a 'withdraw' function. The bottom panel shows the transaction details for a successful deployment, including the transaction hash, block hash, block number, and gas used.

Activities Google Chrome Wed 15:02

Blockchain-Technology- x Remix - Ethereum IDE x ChatGPT x | +

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljs-v0.8.7+commit.e28d00a7.js

Gmail YouTube Maps

DEPLOY & RUN TRANSACTIONS

Load contract from Address

Transactions recorded

Pinned Contracts (network: vm-cancun)

No pinned contracts found for selected workspace & network

Deployed/Unpinned Contracts

BANK AT 0x5B3...33FA8 (M)

Balance: 0.000000000000000001 ETH

deposit

withdraw uint256 _amount

balance

owner

call to Bank.balance

```
1 // SPDX-License-Identifier: GPL-3.0
2 pragma solidity 0.8.7;
3
4 contract Bank {
5     address public owner;
```

0 Listen on all transactions Filter with transaction hash or address

[call] from: 0x5B380a6a701c568545dcfc803Fc8875f56beddC4 to: Bank.balance() data: 0xb69...ef8a8

from 0x5B380a6a701c568545dcfc803Fc8875f56beddC4

to Bank.balance() 0xd8b934580fc35a11858c6d73aDeE468a2833fa8

execution cost 2451 gas (Cost only applies when called by a contract)

input 0xb69...ef8a8

decoded input {}

decoded output {"0": "uint256: 1"}

logs []

raw logs []

Initialize as git repo Did you know? You can use the Recorder to record and replay your transactions to any network from the Deploy and Run plugin. Remix Copilot (enabled) Scan Alert

Activities Google Chrome Wed 14:58

Blockchain-Technology- x Remix - Ethereum IDE x ChatGPT x | +

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljs-v0.8.7+commit.e28d00a7.js

Gmail YouTube Maps

DEPLOY & RUN TRANSACTIONS

Remix VM (Cancun)

ACCOUNT 0x5B3...eddC4 (99.999999999999999999 Wei)

GAS LIMIT Estimated Gas

Enter an amount to be sent with transaction and choose its unit

1 Wei

CONTRACT Bank - bank.sol

vm version: london

Deploy

Publish to IPFS

At Address Load contract from Address

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6     uint public balance;
7
8     constructor() {
9         owner = msg.sender;
10    }
11
12    function deposit() external payable {
13        balance += msg.value;
14    }
15
16    function withdraw(uint _amount) external {
```

0 Listen on all transactions Filter with transaction hash or address

creation of Bank pending...

[vm] from: 0x5B3...eddC4 to: Bank.(constructor) value: 0 wei data: 0x608...70033 logs: 0 hash: 0x34f...648be creation of Bank pending...

[vm] from: 0x5B3...eddC4 to: Bank.(constructor) value: 0 wei data: 0x608...70033 logs: 0 hash: 0x602...b77c3

Initialize as git repo Did you know? You can use the Recorder to record and replay your transactions to any network from the Deploy and Run plugin. Remix Copilot (enabled) Scan Alert

Activities Google Chrome Wed 14:57

Blockchain-Technology x Remix - Ethereum IDE x ChatGPT x | +

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.7+commit.e28d00a7.js

Gmail YouTube Maps

DEPLOY & RUN TRANSACTIONS

No pinned contracts found for selected workspace & network

Deployed/Unpinned Contracts

BANK AT 0xD8B...33FA8 (M)

Balance: 0 ETH

deposit

withdraw uint256_amount

balance

owner

Low level interactions

CALLDATA

Transact

BANK AT 0xFBE...9FBEB (M)

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[vm] from: 0x5B3...eddC4 to: Bank.(constructor) value: 0 wei data: 0x608...70033 logs: 0 hash: 0x34f...648be

creation of Bank pending...

[vm] from: 0x5B3...eddC4 to: Bank.(constructor) value: 0 wei data: 0x608...70033 logs: 0 hash: 0x682...bf7c3

Debug

Debug

Initialize as git repo

Did you know? You can use the Recorder to record and replay your transactions to any network from the Deploy and Run plugin.

Remix Copilot (enabled) Scan Alert

Activities Google Chrome Wed 14:59

Blockchain-Technology x Remix - Ethereum IDE x ChatGPT x | +

remix.ethereum.org/#lang=en&optimize=false&runs=200&evmVersion=null&version=soljson-v0.8.7+commit.e28d00a7.js

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15
16    function withdraw(uint _amount) external {
```

creation of Bank pending...

[vm] from: 0x5B3...eddC4 to: Bank.(constructor) value: 0 wei data: 0x608...70033 logs: 0 hash: 0x682...bf7c3

transact to Bank.deposit pending ...

[vm] from: 0x5B3...eddC4 to: Bank.deposit() 0xD8B...33FA8 value: 1 wei data: 0xd0e...30db0 logs: 0 hash: 0x03e...ee063

status 0x1 Transaction mined and execution succeed

Debug

Debug

Initialize as git repo

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Remix Copilot (enabled) Scan Alert