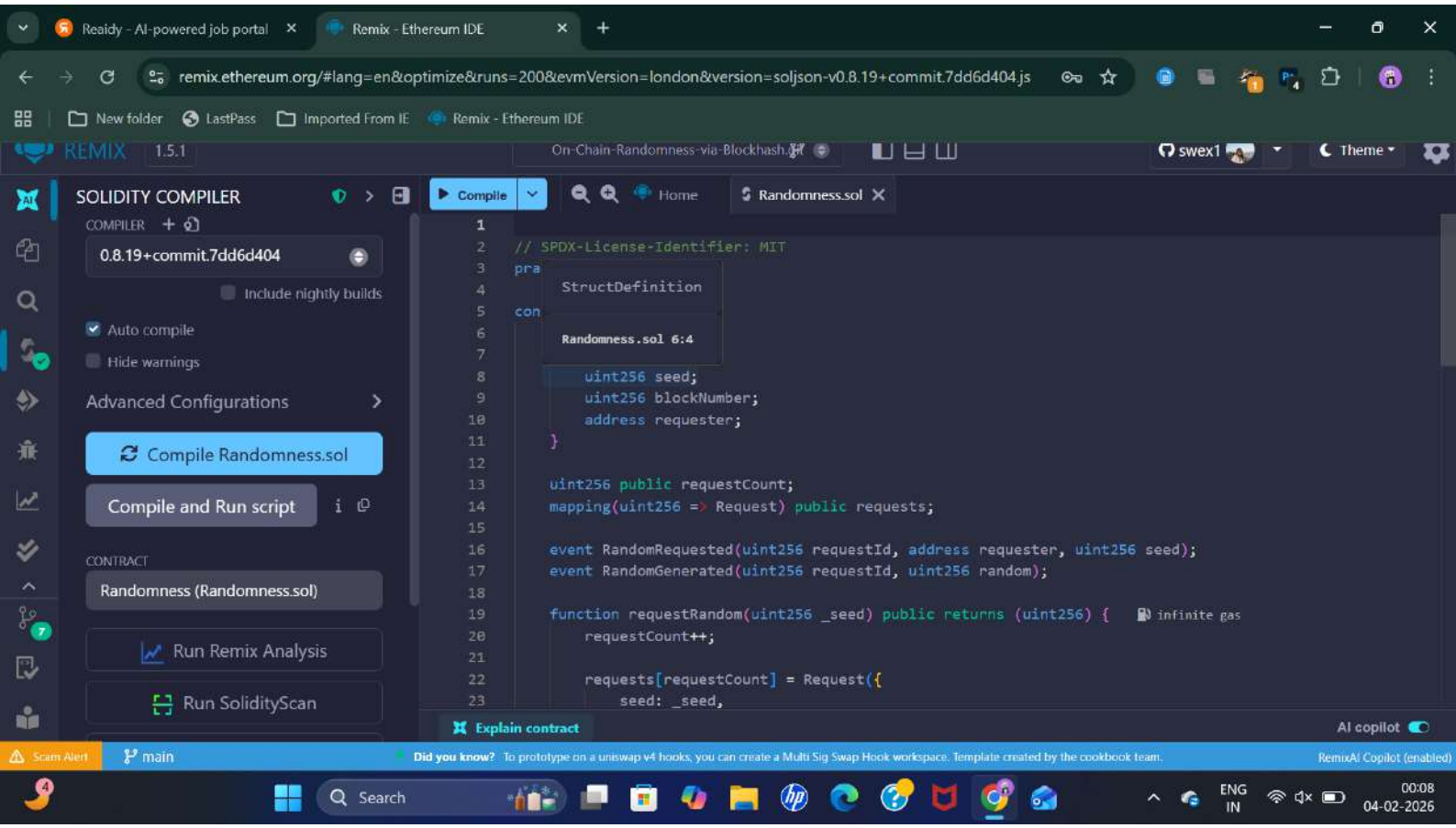
Reaidy - AI-powered job portal
Remix - Ethereum IDE
remix.ethereum.org/#lang=en&optimize&runs=200&evmVersion=london&version=soljson-v0.8.19+commit.7dd6d404.js
New folder
LastPass
Imported From IE
Remix - Ethereum IDE
REMIX 1.5.1
On-Chain-Randomness-via-Blockhash
swex1
Theme
SOLIDITY COMPILER
COMPILER
0.8.19+commit.7dd6d404
Include nightly builds
Auto compile
Hide warnings
Advanced Configurations
Compile Randomness.sol
Compile and Run script
CONTRACT
Randomness (Randomness.sol)
Run Remix Analysis
Run SolidityScan
Compile
Home
Randomness.sol
// SPDX-License-Identifier: MIT
pra
StructDefinition
con
Randomness.sol 6:4
uint256 seed;
uint256 blockNumber;
address requester;
}
uint256 public requestCount;
mapping(uint256 => Request) public requests;
event RandomRequested(uint256 requestId, address requester, uint256 seed);
event RandomGenerated(uint256 requestId, uint256 random);
function requestRandom(uint256 _seed) public returns (uint256) {
infinite gas
requestCount++;
requests[requestCount] = Request({
seed: _seed,
Explain contract
AI copilot
Scam Alert
main
Did you know? To prototype on a uniswap v4 hooks, you can create a Multi Sig Swap Hook workspace. Template created by the cookbook team.
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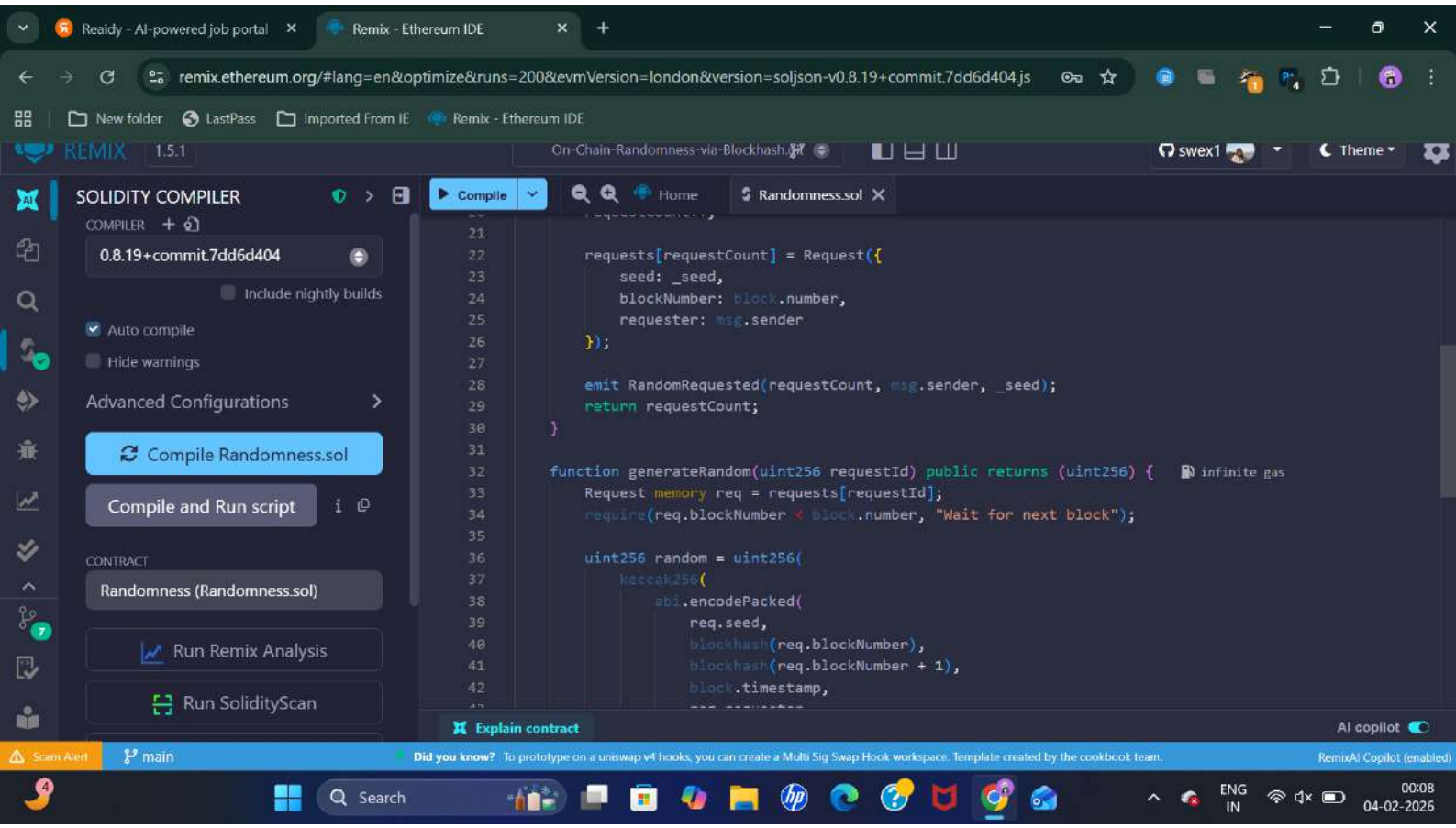
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Compile and Run script
CONTRACT
Randomness (Randomness.sol)
Run Remix Analysis
Run SolidityScan
Compile
Home
Randomness.sol
requests[requestCount] = Request({
seed: _seed,
blockNumber: block.number,
requester: msg.sender
});
emit RandomRequested(requestCount, msg.sender, _seed);
return requestCount;
}
function generateRandom(uint256 requestId) public returns (uint256) {
infinite gas
Request memory req = requests[requestId];
require(req.blockNumber < block.number, "Wait for next block");
uint256 random = uint256(
keccak256(
abi.encodePacked(
req.seed,
blockhash(req.blockNumber),
blockhash(req.blockNumber + 1),
block.timestamp,
Explain contract
AI copilot
Scam Alert
main
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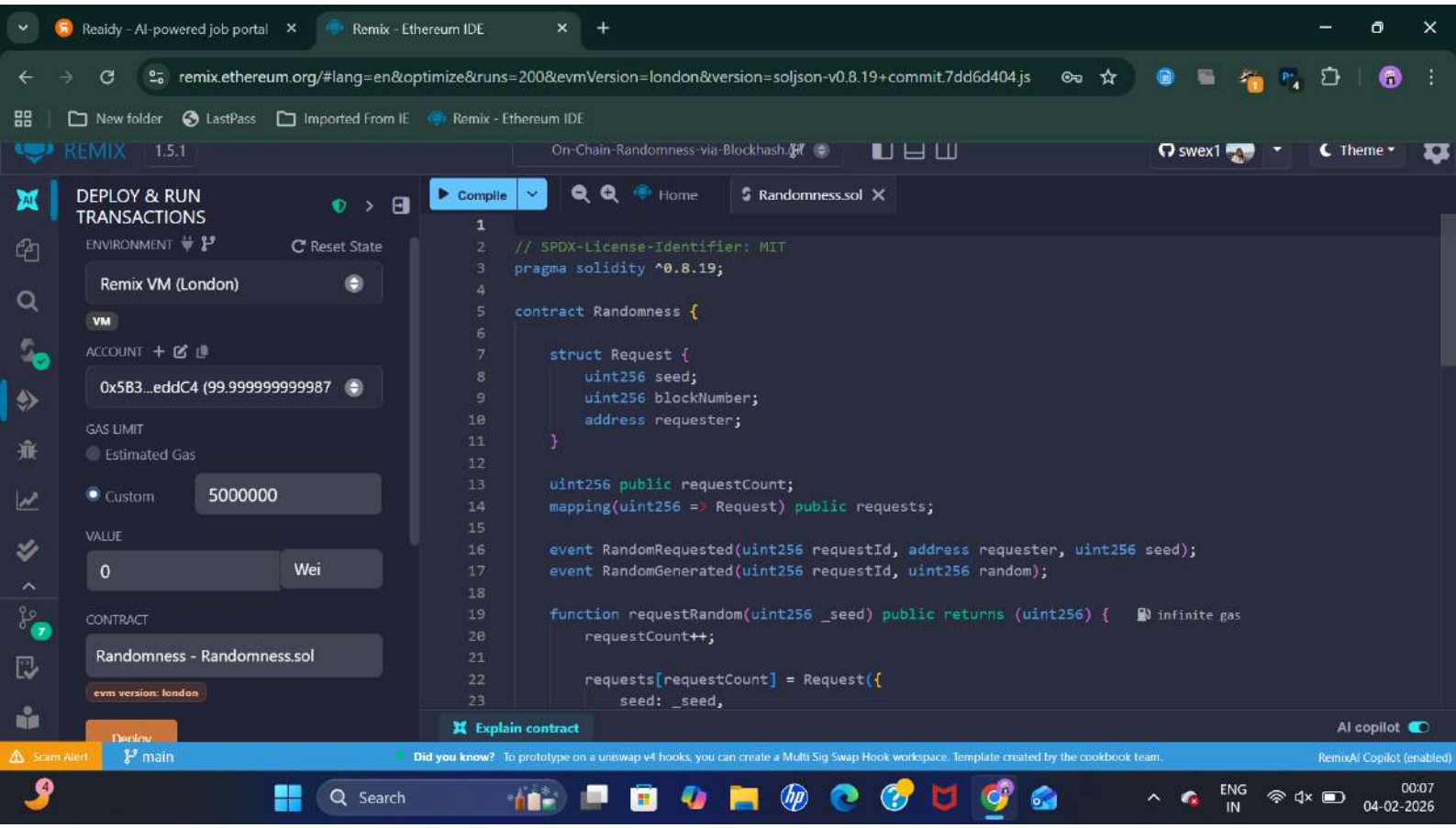
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REMIX 1.5.1
On-Chain-Randomness-via-Blockhash
swex1
Theme
DEPLOY & RUN TRANSACTIONS
ENVIRONMENT
Reset State
Remix VM (London)
VM
ACCOUNT
0x5B3...eddC4 (99.999999999987
GAS LIMIT
Estimated Gas
Custom
5000000
VALUE
0
Wei
CONTRACT
Randomness - Randomness.sol
evm version: london
Deploy
Compile
Home
Randomness.sol
// SPDX-License-Identifier: MIT
pragma solidity ^0.8.19;
contract Randomness {
struct Request {
uint256 seed;
uint256 blockNumber;
address requester;
}
uint256 public requestCount;
mapping(uint256 => Request) public requests;
event RandomRequested(uint256 requestId, address requester, uint256 seed);
event RandomGenerated(uint256 requestId, uint256 random);
function requestRandom(uint256 _seed) public returns (uint256) {
infinite gas
requestCount++;
requests[requestCount] = Request({
seed: _seed,
Explain contract
AI copilot
Scam Alert
main
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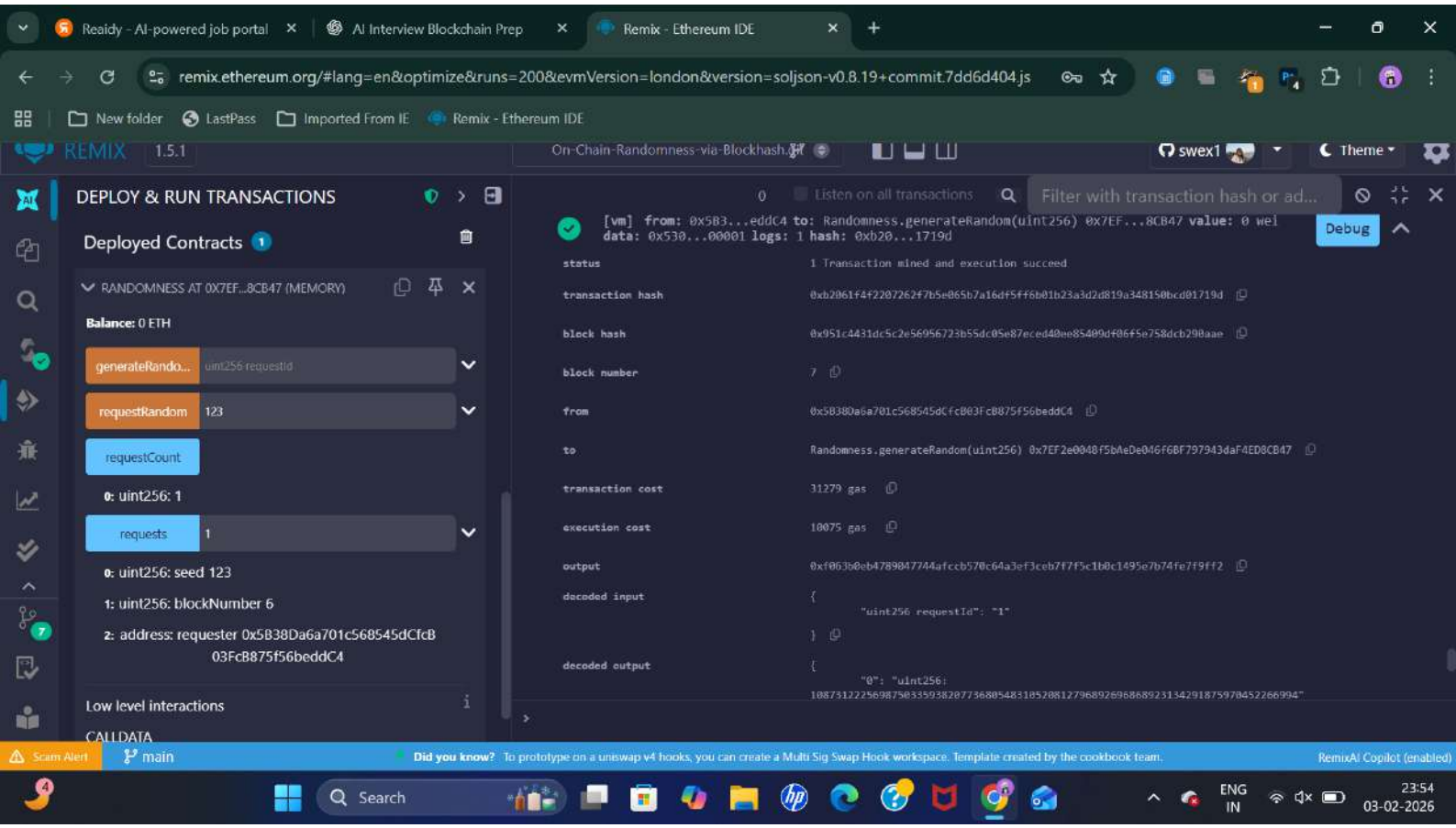
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Remix - Ethereum IDE
remix.ethereum.org/#lang=en&optimize&runs=200&evmVersion=london&version=soljson-v0.8.19+commit.7dd6d404.js
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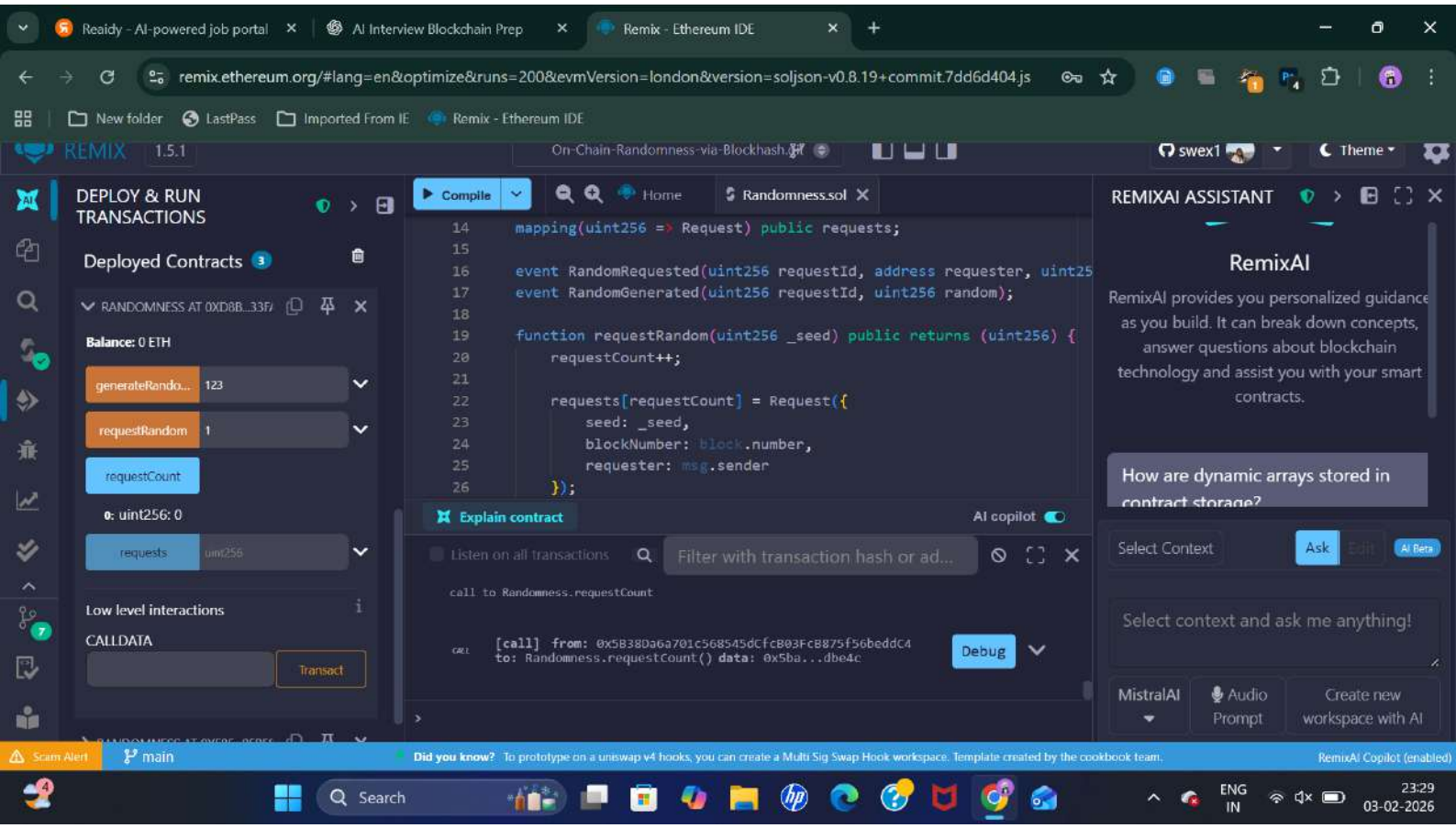
LastPass
Imported From IE
Remix - Ethereum IDE
REMIX 1.5.1
On-Chain-Randomness-via-Blockhash
swex1
Theme
DEPLOY & RUN TRANSACTIONS
Deployed Contracts 1
RANDOMNESS AT 0X7EF...8CB47 (MEMORY)
Balance: 0 ETH
generateRando...
uint256 requestId
requestRandom
123
requestCount
0: uint256: 1
requests
1
0: uint256: seed 123
1: uint256: blockNumber 6
2: address: requester 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
Low level interactions
CALLDATA
Listen on all transactions
Filter with transaction hash or ad...
[vm] from: 0x5B3...eddC4 to: Randomness.generateRandom(uint256) 0x7EF...8CB47 value: 0 wei
data: 0x530...00001 logs: 1 hash: 0xb20...1719d
Debug
status
1 Transaction mined and execution succeed
transaction hash
0xb2061f4f2207262f7b5e065b7a16df5ff6b01b23a3d2d819a348150bcd01719d
block hash
0x951c4431dc5c2e56956723b55dc05e87eced40ee85409df06f5e758dcb290aae
block number
7
from
0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to
Randomness.generateRandom(uint256) 0x7EF2e0048f5bAeDe046f6BF797943daF4ED8CB47
transaction cost
31279 gas
execution cost
10075 gas
output
0xf063b0eb4789047744afccb570c64a3ef3ceb7f7f5c1b0c1495e7b74fe7f9ff2
decoded input
{
"uint256 requestId": "1"
}
decoded output
{
"0": "uint256:
108731222569875033593820773680548318520812796892696868923134291875970452266994"
Scam Alert
main
Did you know? To prototype on a uniswap v4 hooks, you can create a Multi Sig Swap Hook workspace. Template created by the cookbook team.
RemixAI Copilot (enabled)
Search
ENG
IN
23:54
03-02-2026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AI Interview Blockchain Prep
Remix - Ethereum IDE
remix.ethereum.org/#lang=en&optimize&runs=200&evmVersion=london&version=soljson-v0.8.19+commit.7dd6d404.js
New folder
LastPass
Imported From IE
Remix - Ethereum IDE
REMIX 1.5.1
On-Chain-Randomness-via-Blockhash
swex1
Theme
DEPLOY & RUN TRANSACTIONS
Deployed Contracts 3
RANDOMNESS AT 0XD8B...33F7
Balance: 0 ETH
generateRando...
123
requestRandom
1
requestCount
0: uint256: 0
requests
uint256
Low level interactions
CALLDATA
Transact
Compile
Home
Randomness.sol
14 mapping(uint256 => Request) public requests;
15
16 event RandomRequested(uint256 requestId, address requester, uint25
17 event RandomGenerated(uint256 requestId, uint256 random);
18
19 function requestRandom(uint256 _seed) public returns (uint256) {
20 requestCount++;
21
22 requests[requestCount] = Request({
23 seed: _seed,
24 blockNumber: block.number,
25 requester: msg.sender
26 });
Explain contract
AI copilot
Listen on all transactions
Filter with transaction hash or ad...
call to Randomness.requestCount
[call] from: 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to: Randomness.requestCount() data: 0x5ba...dbe4c
Debug
REMIXAI ASSISTANT
RemixAI
RemixAI provides you personalized guidance as you build. It can break down concepts, answer questions about blockchain technology and assist you with your smart contracts.
How are dynamic arrays stored in contract storage?
Select Context
Ask
Edit
AI Beta
Select context and ask me anything!
MistralAI
Audio Prompt
Create new workspace with AI
Scam Alert
main
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RemixAI Copilot (enabled)
Search
ENG IN
23:29
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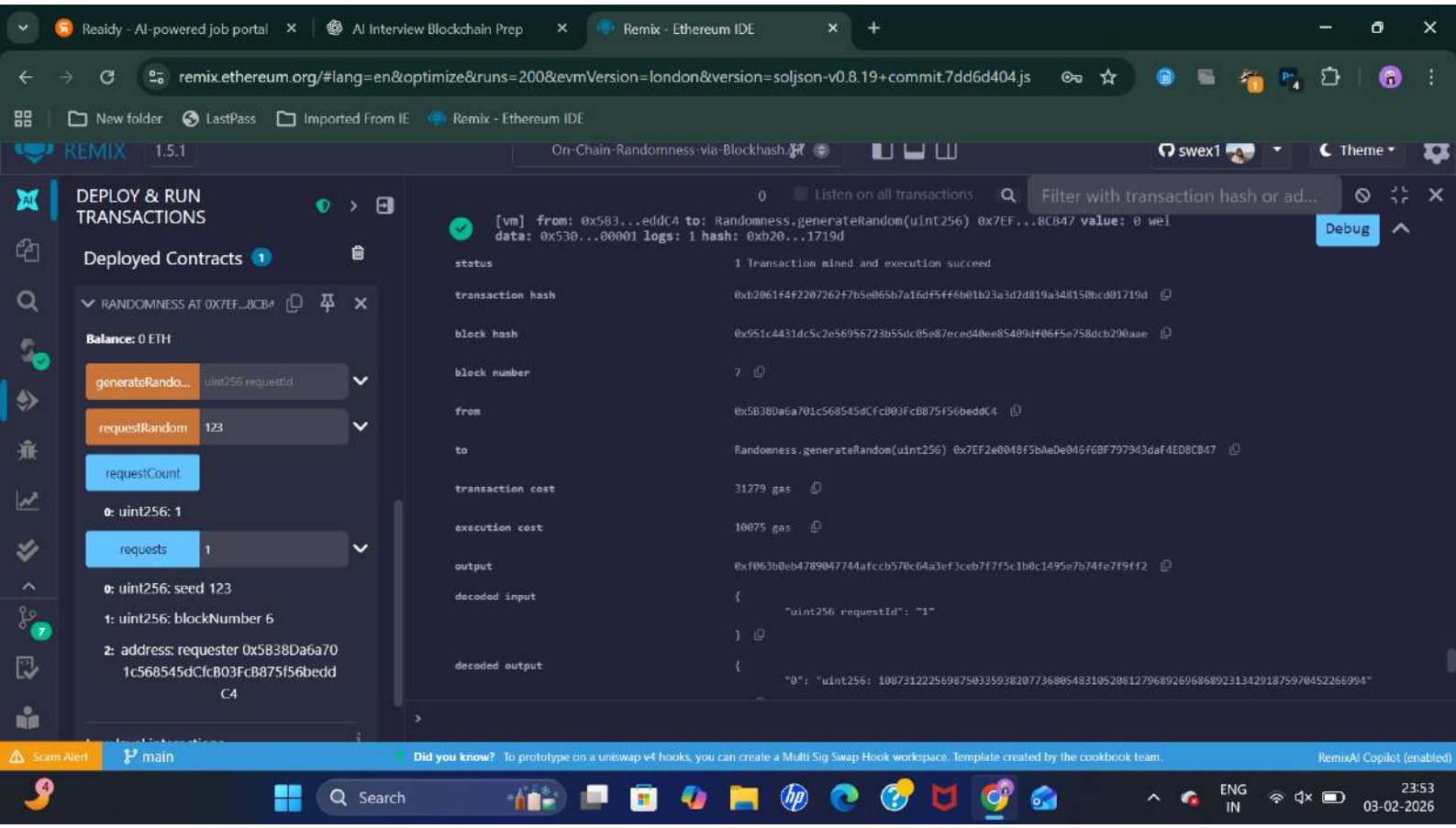
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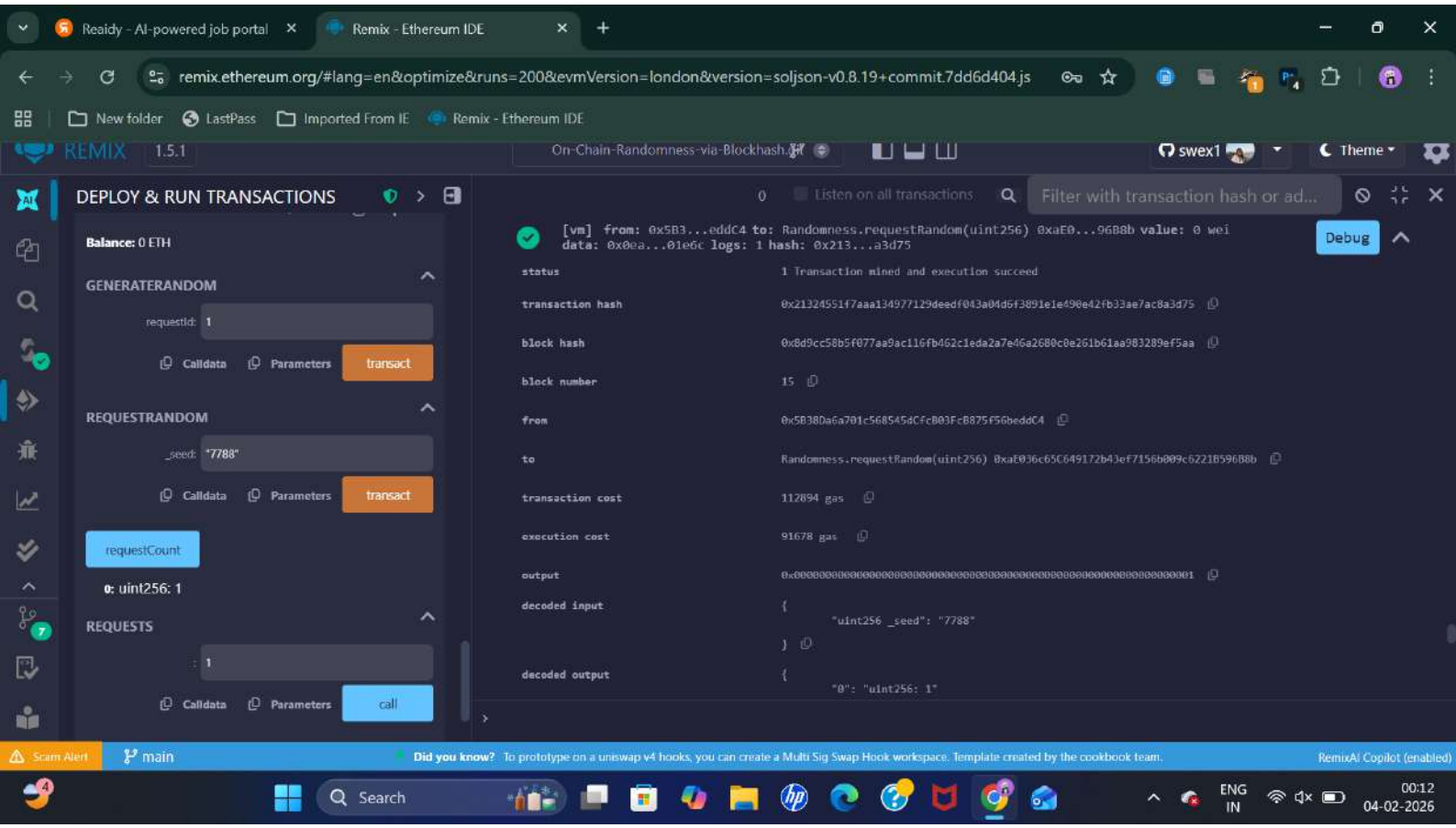
AI Interview Blockchain Prep
Remix - Ethereum IDE
remix.ethereum.org/#lang=en&optimize&runs=200&evmVersion=london&version=soljson-v0.8.19+commit.7dd6d404.js
New folder
LastPass
Imported From IE
Remix - Ethereum IDE
REMIX 1.5.1
On-Chain-Randomness-via-Blockhash
swex1
Theme
DEPLOY & RUN TRANSACTIONS
Deployed Contracts 1
RANDOMNESS AT 0X7EF...8CB4
Balance: 0 ETH
generateRando...
uint256 requestId
requestRandom
123
requestCount
0: uint256: 1
requests
1
0: uint256: seed 123
1: uint256: blockNumber 6
2: address: requester 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
0
Listen on all transactions
Filter with transaction hash or ad...
[vm] from: 0x583...eddC4 to: Randomness.generateRandom(uint256) 0x7EF...8CB47 value: 0 wei
data: 0x530...00001 logs: 1 hash: 0xb20...1719d
Debug
status
1 Transaction mined and execution succeed
transaction hash
0xb2061f4f2207262f7b5e065b7a16df5ff6b01b23a3d2d819a34815f0bcd01719d
block hash
0x951c4431dc5c2e56956723b55dc05e87eced40ee85409df06f5e758dcb290aae
block number
7
from
0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to
Randomness.generateRandom(uint256) 0x7EF2e0048f5bAeDe046f6BF797943daF4ED8CB47
transaction cost
31279 gas
execution cost
10075 gas
output
0xf063b0eb4789047744afccb570c64a3ef3ceb7f7f5c1b0c1495e7b74fe7f9ff2
decoded input
{
"uint256 requestId": "1"
}
decoded output
{
"0": "uint256: 108731222569875033593820773680548310520812796892696868923134291875970452266994"
Scam Alert
main
Did you know? To prototype on a uniswap v4 hooks, you can create a Multi Sig Swap Hook workspace. Template created by the cookbook team.
RemixAI Copilot (enabled)
Search
ENG
IN
23:53
03-02-2026


Reaidy - AI-powered job portal
Remix - Ethereum IDE
remix.ethereum.org/#lang=en&optimize&runs=200&evmVersion=london&version=soljson-v0.8.19+commit.7dd6d404.js
New folder
LastPass
Imported From IE
Remix - Ethereum IDE
REMIX 1.5.1
On-Chain-Randomness-via-Blockhash
swex1
Theme
DEPLOY & RUN TRANSACTIONS
Balance: 0 ETH
GENERATERANDOM
requestId: 1
Calldata
Parameters
transact
REQUESTRANDOM
_seed: "7788"
Calldata
Parameters
transact
requestCount
0: uint256: 1
REQUESTS
: 1
Calldata
Parameters
call
0
Listen on all transactions
Filter with transaction hash or ad...
[vm] from: 0x5B3...eddC4 to: Randomness.requestRandom(uint256) 0xaE0...96B8b value: 0 wei
data: 0x0ea...01e6c logs: 1 hash: 0x213...a3d75
Debug
status
1 Transaction mined and execution succeed
transaction hash
0x213245514f7aaa13497129deedf043a04d6f3891e1e490e42fb33ae7ac8a3d75
block hash
0x8d9cc58b5f077aa9ac116fb462c1eda2a7e46a2680c0e261b61aa983289ef5aa
block number
15
from
0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to
Randomness.requestRandom(uint256) 0xaE036c65C649172b43ef7156b009c6221B596B8b
transaction cost
112894 gas
execution cost
91678 gas
output
0x0000000000000000000000000000000000000000000000000000000000000001
decoded input
{
"uint256 _seed": "7788"
}
decoded output
{
"0": "uint256: 1"
Scam Alert
main
Did you know? To prototype on a uniswap v4 hooks, you can create a Multi Sig Swap Hook workspace. Template created by the cookbook team.
RemixAI Copilot (enabled)
Search
ENG
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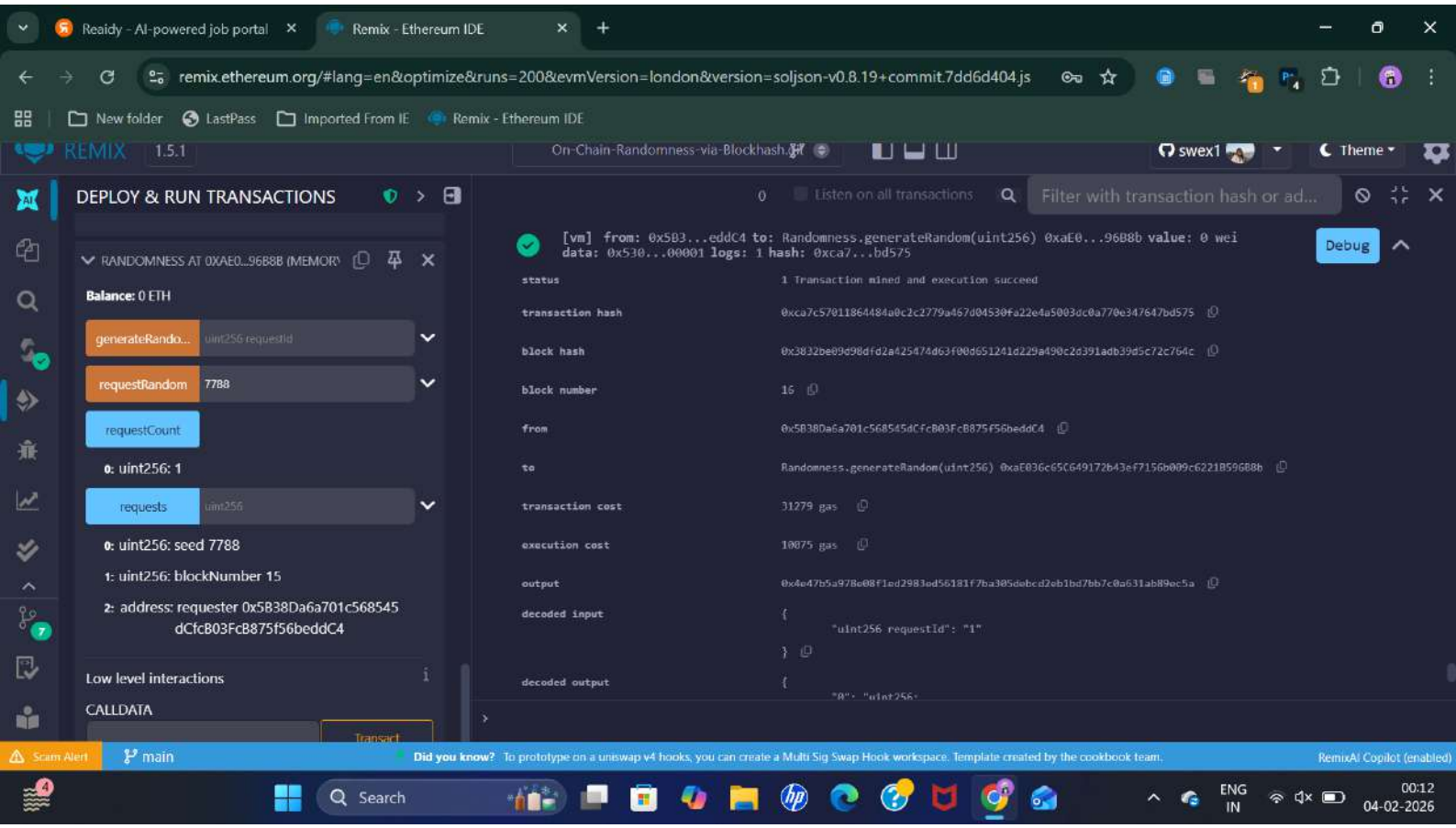
04-02-2026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Remix - Ethereum IDE
REMIX 1.5.1
On-Chain-Randomness-via-Blockhash
swex1
Theme
DEPLOY & RUN TRANSACTIONS
RANDOMNESS AT 0XAE0...96B8B (MEMOR
Balance: 0 ETH
generateRando...
uint256 requestId
requestRandom
7788
requestCount
0: uint256: 1
requests
uint256
0: uint256: seed 7788
1: uint256: blockNumber 15
2: address: requester 0x5B38Da6a701c568545 dCfcB03FcB875f56beddC4
Low level interactions
CALLDATA
Transact
Listen on all transactions
Filter with transaction hash or ad...
[vm] from: 0x5B3...eddC4 to: Randomness.generateRandom(uint256) 0xaE0...96B8b value: 0 wei data: 0x530...00001 logs: 1 hash: 0xca7...bd575
Debug
status
1 Transaction mined and execution succeed
transaction hash
0xca7c57011864484a0c2c2779a467d04530fa22e4a5003dc0a770e347647bd575
block hash
0x3832be09d98dfd2a425474d63f00d651241d229a490c2d391adb39d5c72c764c
block number
15
from
0x5B38Da6a701c568545dCfcB03FcB875f56beddC4
to
Randomness.generateRandom(uint256) 0xaE036c65C649172b43ef7156b009c6221B59GB8b
transaction cost
31279 gas
execution cost
10075 gas
output
0x4e47b5a978e08f1ed2983ed56181f7ba305debcd2eb1bd7bb7c0a631ab89ec5a
decoded input
{ "uint256 requestId": "1" }
decoded output
{ "0": "uint256:
Scam Alert
main
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