

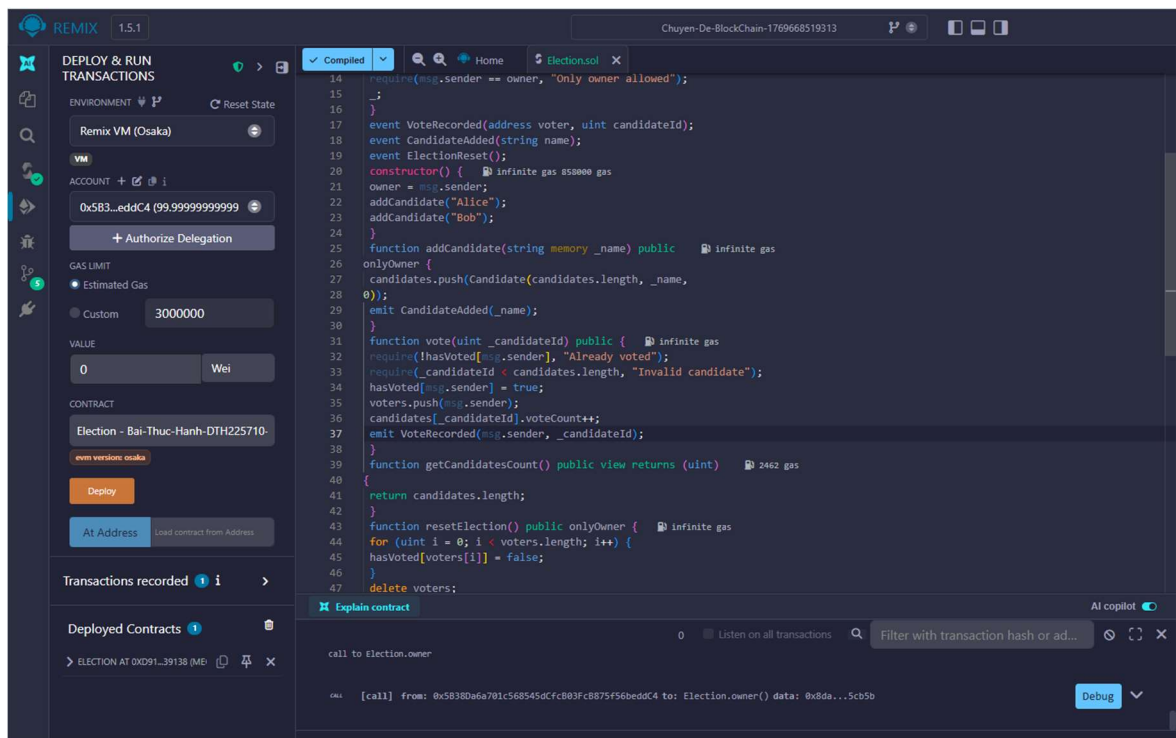
**MSSV: DTH225710**

**Họ và tên: Lê Trí Nhân**

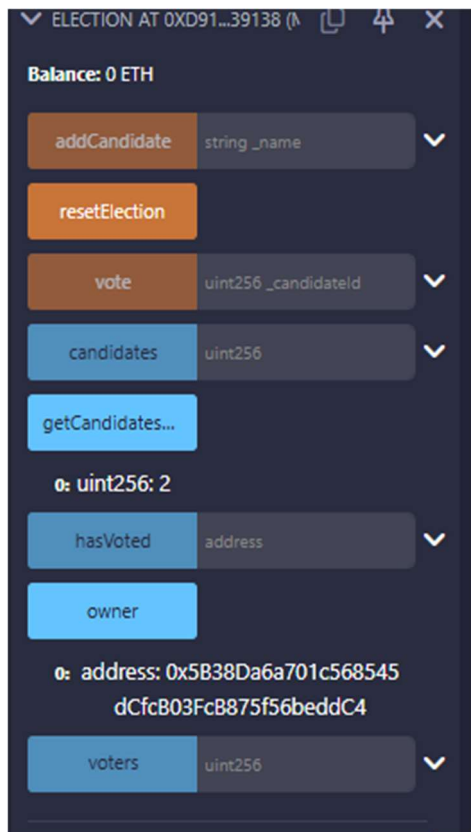
**Lớp: DH23TH2**

**Ngày thực hiện: 29/01/2026**

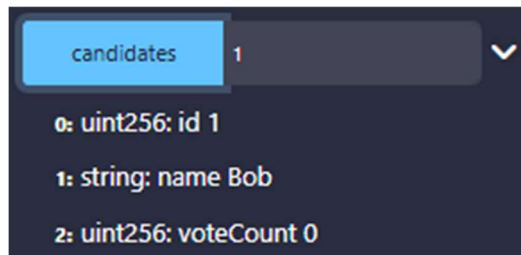
## LAB 1:



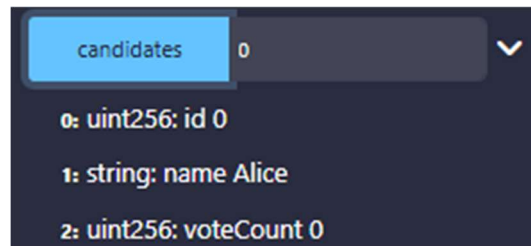
**Ảnh 1. Compile thành công**



Ảnh 4. gọi hàm owner() và getCandidatesCount()



Ảnh 2. candidates(0)



Ảnh 3. candidates(1)

ELECTION AT 0XD91...39138

Balance: 0 ETH

ADDCANDIDATE

\_name: "DTH225710-Le\_Tri\_Nhan"

Calldata Parameters transact

resetElection

vote

uint256 \_candidateId

candidates

1

0: uint256: id 1

1: string: name Bob

2: uint256: voteCount 0

getCandidates...

0: uint256: 2

hasVoted

address

owner

```

15
16
17 event VoteRecorded(address vote
18 event CandidateAdded(string nam
19 event ElectionReset());
20 constructor() {
21     owner = msg.sender;
22     addCandidate("Alice");
23     addCandidate("Bob");
24 }
25 function addCandidate(string me
26 onlyOwner {
27     candidates.push(Candidate(candi
28     ));
29     emit CandidateAdded(_name);
30 }
31 function vote(uint _candidateId
32 require(!hasVoted[msg.sender],
33 require(_candidateId < candidat
34 hasVoted[msg.sender] = true;

```

Explain contract

transact to Election.addCandidate pending ...

✓

[vm] from: 0x5B3...eddC4 to: Election

candidates

2

0: uint256: id 2

1: string: name DTH225710-Le\_Tri\_Nhan

2: uint256: voteCount 0

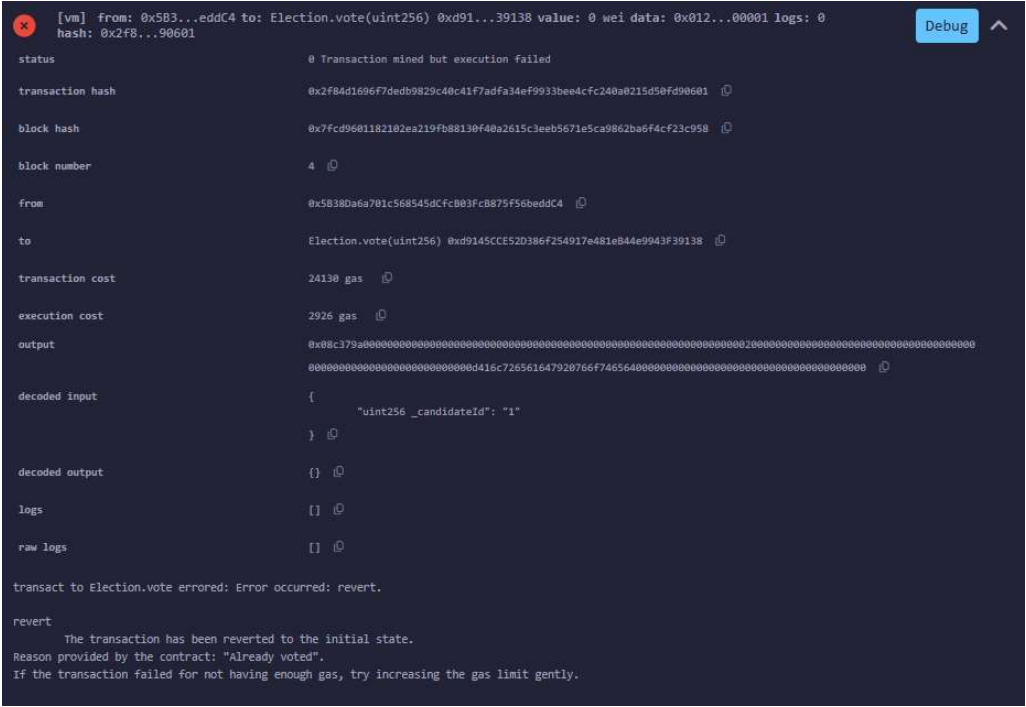
getCandidates...

0: uint256: 3

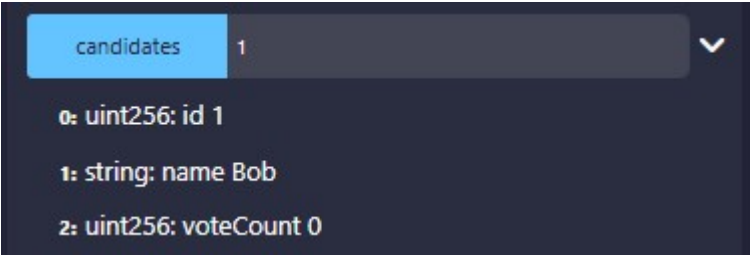
Ảnh 5. khi gọi getCandidatesCount() thấy tăng từ 2=>3, và candidates(2) hiển thị candidate mới tạo ở trên



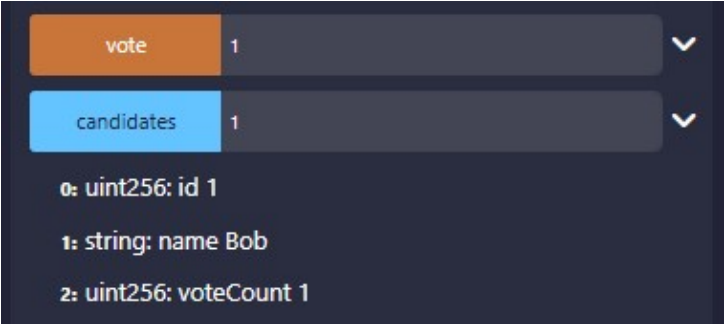
Ảnh 6. gọi vote(0) và candidates(0)



Ảnh 7. gọi vote(1) khi chưa resetElection()



Ảnh 9. trước khi gọi hàm vote(1)



Ảnh 8. sau khi gọi hàm vote(1)



## LAB 2:

### Election DApp (Ganache)

Connect Wallet

Connected account 0x3C4286901781FAD5171d7e4dAd091565e2005eA7

### Add Candidate (Owner)

Candidate name

Add

### Candidates

Load Candidates

- ID: 1 | Name: Bob | Votes: 0
- ID: 2 | Name: sss | Votes: 0
- ID: 3 | Name: sssdddd | Votes: 1

### Vote

3

Vote

Ảnh 10. vote 3 bằng 0x3C4286901781FAD5171d7e4dAd091565e2005eA7

## Election DApp (Ganache)

Connect Wallet

Connected account: 0x2DA58E8AbA10cB16888d59df3896e2cca450133e

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### Add Candidate (Owner)

Candidate name

Add

---

### Candidates

Load Candidates

- ID: 1 | Name: Bob | Votes: 0
  - ID: 2 | Name: sss | Votes: 0
  - ID: 3 | Name: sssdddd | Votes: 2
- 

### Vote

3

Vote

Ảnh 11. vote 3 bằng 0x2DA58E8AbA10cB16888d59df3896e2cca450133e