

Practical 3: Write a smart contract on a test network, for Bank account of a customer for following operations: Deposit money, Withdraw Money ,Show balance

```
pragma solidity ^0.8.26;

contract Demo {

    uint private newbal = 3500;

    function deposit(uint x) public {

        newbal += x;

    }

    function withdraw(uint x) public {

        if (newbal < x) {

            revert("Insufficient balance");

        }

        newbal -= x;

    }

    function show() public view returns (uint) {


        return newbal;




    }

}
```

1) Deposit

selected workspace & network

Deployed/Unpinned Contracts 

▼ DEMO AT 0X7EF...8CB47 (N   

Balance: 0 ETH

deposit

500

▼


withdraw

uint256 x

▼

show

0: uint256: 4000


Low level interactions 




CALLDATA

Transact

2)Withdraw

selected workspace & network

Deployed/Unpinned Contracts 

▼ DEMO AT 0X7EF...8CB47 (N   

Balance: 0 ETH

deposit

uint256 x

▼


withdraw

4500

▼

show

0: uint256: 4000

Low level interactions 

CALLDATA

Transact

error msg when available balance is less

call to Demo.show

CALL

[call] from: 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 to: Demo.show() data: 0xcc8...0f6f3

Debug

▼

transact to Demo.withdraw pending ...

✖

[vm] from: 0x5B3...eddC4 to: Demo.withdraw(uint256) 0x7EF...8CB47 value: 0 wei data: 0x2e1...01194 logs: 0 hash: 0xea9...3b3bf

Debug

▼

transact to Demo.withdraw errored: Error occurred: revert.

revert

The transaction has been reverted to the initial state.
Reason provided by the contract: "Insufficient balance".
You may want to cautiously increase the gas limit if the transaction went out of gas.

🌱 Did you know? To learn new contract patterns and prototype, you can activate and try the cookbook plugin!

Remix Copilot (enabled)

⚠️ Scam Alert

▼ DEMO AT 0X7EF...8CB47 (M)

Balance: 0 ETH

deposit

uint256 x

▼

withdraw

500

▼

show

show - call

0: uint256: 3500

Low level interactions

i

CALLDATA

Transact

Initialize as git repo