// SPDX-License-Identifier: MIT

pragma solidity ^0.8.0;

contract Bank {

    address public accHolder;

    uint256 balance = 0;

    constructor() {

        accHolder = msg.sender;

    }

    function withdraw() payable public {

        require(msg.sender == accHolder, "You are not the account owner");

        require(balance > 0, "You don't have enough balance.");

        payable(msg.sender).transfer(balance);

        balance = 0;

    }

    function deposit() public payable {

        require(msg.sender == accHolder, "You are not the account owner");

        require(msg.value > 0, "Deposit amount should be greater than 0.");

        balance += msg.value;

    }

    function showBalance() public view returns(uint) {

        require(msg.sender == accHolder, "You are not the account owner");

        return balance;

    }

}