// SPDX-License-Identifier: MIT

pragma solidity ^0.8.0;

contract Bank {

address public accHolder;

uint256 private balance;

constructor() {

accHolder = msg.sender;

balance = 0;

}

function withdraw(uint256 amount) public {

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

require(amount > 0, "Withdrawal amount must be greater than zero.");

require(balance >= amount, "You do not have enough balance.");

balance -= amount; // Deduct the specified amount from balance

payable(msg.sender).transfer(amount); // Transfer the specified amount to the account holder

}

function deposit() public payable {

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

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

balance += msg.value; // Increase balance by the deposited amount

}

function showBalance() public view returns (uint256) {

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

return balance;

}

}