LP3 (BT) Lab Exp No.3

// SPDX-License-Identifier: MIT

pragma solidity ^0.8.18;

contract Bank {

mapping(address => uint) private balances;

event Deposit(address indexed account, uint amount);

event Withdrawal(address indexed account, uint amount);

function deposit(uint amount) public {

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

balances[msg.sender] += amount;

emit Deposit(msg.sender, amount);

}

function withdraw(uint amount) public {

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

require(balances[msg.sender] >= amount, "Insufficient balance.");

balances[msg.sender] -= amount;

emit Withdrawal(msg.sender, amount);

}

function getBalance() public view returns (uint) {

return balances[msg.sender];

}

}

OUTPUT: -











