// SPDX-License-Identifier: Bhide License

pragma solidity ^0.8.0;

contract Bank {

// mapping(type => type)

mapping(address => uint256) private balances;

function createAccount() public {

balances[msg.sender] = 0;

}

// payable is necessary because the function accepts a value (amount) as a parameter (EXTERNAL SOURCE AHE MHANUN)

function deposit(uint256 amount) public payable {

balances[msg.sender] += amount;

}

function withdraw(uint256 amount) public {

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

balances[msg.sender] -= amount;

}

function transfer(address recipient, uint256 amount) public {

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

balances[msg.sender] -= amount;

balances[recipient] += amount;

}

// view does not modify values within the contract (return kartana lihaycha)

function getBalance() public view returns (uint256) {

return balances[msg.sender];

}

}