// SPDX-License-Identifier: MIT

// compiler version must be greater than or equal to 0.8.10 and less than 0.9.0

pragma solidity >=0.4.0;

contract Bank

{

uint balance = 10000;

function updatebalance(uint newbalance) private

{

balance = newbalance;

}

function withdraw(uint amount) public

{

uint temp = balance - amount;

updatebalance(temp);

}

function deposit(uint amount) public

{

uint temp = balance + amount;

updatebalance(temp);

}

function showBalance() public view returns(uint)

{

return balance;

}

}