// SPDX-License-Identifier: UNLICENSED

//license is important to compile our code

pragma solidity ^0.8.0;

contract Bank{

    address public accHolder; //address=datatype public access modifier manager=variable

    uint256 balance = 0;

    constructor(){

        accHolder = msg.sender;

    }

    function withdraw()payable  public {

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

        require(balance > 0, "You dont have enough balance.");

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

        balance = 0;

    }

    function deposit() public payable {

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

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

        balance += msg.value ;

    }

    function showBalance() public view returns(uint){

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

        return balance;

    }

}