

Assignment NO: 3

```
// SPDX-License-Identifier: UNLICENSED
pragma solidity ^0.8.0;

contract Bank {
    int private bal;

    // Constructor to initialize the balance
    constructor() {
        bal = 1;
    }

    // View function to get the balance
    function getBalance() public view returns (int) {
        return bal;
    }

    // Function to withdraw an amount from the balance
    function withdraw(int amt) public {
        require(amt > 0, "Withdrawal amount must be positive.");
        require(bal >= amt, "Insufficient balance.");
        bal -= amt;
    }

    // Function to deposit an amount to the balance
    function deposit(int amt) public {
        require(amt > 0, "Deposit amount must be positive.");
        bal += amt;
    }
}
```