

BankAccount.swift - Swift Code with Comments

```
// MARK: - BankAccount Structure
// Represents a simple bank account with deposit, withdrawal, and balance features.

struct BankAccount {

    // MARK: - Private Property
    /// Stores the current balance of the bank account.
    private var balance: Double

    // MARK: - Initializer
    /// Creates a new bank account with an initial balance.
    /// - Parameter initialBalance: The starting amount in the account.
    init(initialBalance: Double) {
        self.balance = initialBalance
    }

    // MARK: - Deposit Method
    /// Adds a specified amount to the account balance.
    /// - Parameter amount: The amount to deposit (must be positive).
    mutating func deposit(amount: Double) {
        guard amount > 0 else {
            print("■ Deposit amount must be positive.")
            return
        }
        balance += amount
        print("■ Deposited \(amount). New balance: \(balance).")
    }

    // MARK: - Withdraw Method
    /// Withdraws a specified amount if sufficient funds are available.
    /// - Parameter amount: The amount to withdraw (must not exceed balance).
    mutating func withdraw(amount: Double) {
        guard amount > 0 else {
            print("■ Withdrawal amount must be positive.")
            return
        }
        guard amount <= balance else {
            print("■■ Insufficient funds. Current balance: \(balance).")
            return
        }
        balance -= amount
        print("■ Withdrew \(amount). Remaining balance: \(balance).")
    }

    // MARK: - Balance Inquiry
    /// Returns the current account balance.
    func getBalance() -> Double {
        return balance
    }
}

// MARK: - Example Usage
var myAccount = BankAccount(initialBalance: 100.0)
myAccount.deposit(amount: 50.0) // ■ Deposited 50.0. New balance: 150.0.
myAccount.withdraw(amount: 30.0) // ■ Withdrew 30.0. Remaining balance: 120.0.
print("■ Current balance: \(myAccount.getBalance())") // ■ Current balance: 120.0
```