ATM Simulation - Java Practice Program

```
import java.util.Scanner;

class ATM {
    private double balance;

    // Constructor
    ATM(double initialBalance) {
        balance = initialBalance;
    }

    // Check balance
    public void checkBalance() {
        System.out.println("Current Balance: ■" + balance);
    }

    // Deposit money
    public void deposit(double amount) {
        if (amount > 0) {
            balance += amount;
            System.out.println("■" + amount + " Deposited Successfully!");
        } else {
            System.out.println("Invalid Deposit Amount!");
        }
    }

    // Withdraw money
    public void withdraw(double amount) {
        if (amount > balance) {
            System.out.println("Insufficient Balance!");
        } else if (amount <= 0) {
            System.out.println("Invalid Withdrawal Amount!");
        } else {
            balance -= amount;
            System.out.println("■" + amount + " Withdrawn Successfully!");
        }
    }
}

public class ATMSimulation {
    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);
        ATM userAccount = new ATM(5000); // Initial balance ■5000
        int choice;

        do {
            System.out.println("\n===== ATM MENU =====");
            System.out.println("1. Check Balance");
            System.out.println("2. Deposit");
            System.out.println("3. Withdraw");
            System.out.println("4. Exit");
            System.out.print("Enter choice: ");
            choice = sc.nextInt();

            switch (choice) {

                case 1:
                    userAccount.checkBalance();
                    break;

                case 2:
                    System.out.print("Enter deposit amount: ");
                    double depositAmount = sc.nextDouble();
                    userAccount.deposit(depositAmount);
                    break;

                case 3:
                    System.out.print("Enter withdrawal amount: ");
                    double withdrawAmount = sc.nextDouble();
                    userAccount.withdraw(withdrawAmount);
                    break;
                case 4:
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                    System.out.println("Thank you for using ATM!");
                    break;

                default:
                    System.out.println("Invalid choice!");
            }

        } while (choice != 4);

        sc.close();
    }
}
```