import java.util.Scanner;

public class ATM {

private static double balance = 1000; // Initial balance

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

while (true) {

System.out.println("ATM Menu:");

System.out.println("1. Check Balance");

System.out.println("2. Withdraw");

System.out.println("3. Deposit");

System.out.println("4. Exit");

System.out.print("Enter your choice: ");

int choice = scanner.nextInt();

switch (choice) {

case 1:

checkBalance();

break;

case 2:

System.out.print("Enter the amount to withdraw: ");

double withdrawAmount = scanner.nextDouble();

withdraw(withdrawAmount);

break;

case 3:

System.out.print("Enter the amount to deposit: ");

double depositAmount = scanner.nextDouble();

deposit(depositAmount);

break;

case 4:

System.out.println("Thank you for using the ATM. Goodbye!");

System.exit(0);

break;

default:

System.out.println("Invalid choice. Please try again.");

break;

}

}

}

public static void checkBalance() {

System.out.println("Your balance is: $" + balance);

}

public static void withdraw(double amount) {

if (amount > balance) {

System.out.println("Insufficient funds. Unable to withdraw.");

} else {

balance -= amount;

System.out.println("Withdrawn amount: $" + amount);

System.out.println("Remaining balance: $" + balance);

}

}

public static void deposit(double amount) {

balance += amount;

System.out.println("Deposited amount: $" + amount);

System.out.println("Updated balance: $" + balance);

}

}