import java.util.Scanner;

class Atm {

int amount = 0; // Initial balance

int pin = 1234;

public void checkPin() {

Scanner sc = new Scanner(System.in);

System.out.println("Enter the ATM pin:");

int atmPin = sc.nextInt();

if (atmPin == pin) {

menu();

} else {

System.out.println("Invalid ATM pin");

checkPin();

}

}

public void menu() {

Scanner sc = new Scanner(System.in);

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

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

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

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

int userChoice = sc.nextInt();

if (userChoice == 1) {

checkBalance();

} else if (userChoice == 2) {

withdrawal();

} else if (userChoice == 3) {

deposit();

} else if (userChoice == 4) {

System.out.println("Exiting...");

return;

} else {

System.out.println("Invalid choice.");

menu();

}

}

public void checkBalance() {

System.out.println("Balance: " + amount);

menu();

}

public void withdrawal() {

Scanner sc = new Scanner(System.in);

System.out.println("Enter your withdrawal amount:");

int withdrawalAmount = sc.nextInt();

if (withdrawalAmount > amount) {

System.out.println("You do not have sufficient balance.");

} else {

amount= withdrawalAmount - amount;

System.out.println("Withdrawal successful.");

}

menu();

}

public void deposit() {

Scanner sc = new Scanner(System.in);

System.out.println("Enter your deposit amount:");

int depositAmount = sc.nextInt();

amount= depositAmount + amount;

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

menu();

}

}

public class Main {

public static void main(String[] args) {

Atm atm = new Atm();

atm.checkPin();

}

}