import java.util.Scanner;

public class ATM {

// The user's bank account

public BankAccount bankAccount;

// Constructor

public ATM(BankAccount bankAccount) {

this.bankAccount = bankAccount;

}

// Withdraws cash from the ATM

public void withdraw(){

System.out.println("Enter the amount you want to withdraw: ");

Scanner scanner = new Scanner(System.in);

int amount = scanner.nextInt();

withdraw(amount);

}

// Deposits cash into the ATM

public void deposit() {

System.out.println("Enter the amount you want to deposit: ");

Scanner scanner = new Scanner(System.in);

int amount = scanner.nextInt();

deposit(amount);

}

// Withdraws cash from the account

private void withdraw(int amount) {

if (bankAccount.getBalance() < amount) {

System.out.println("Insufficient funds");

}

else

{

bankAccount.withdraw(amount);

System.out.println("Amount Withdraw Sucessfully "+amount);

}

}

// Deposits cash into the account

private void deposit(int amount) {

bankAccount.deposit(amount);

System.out.println("Amount Deposited Sucessfully "+amount);

}

// Checks the account balance

private void checkBalance() {

System.out.println("Your account balance is: "+bankAccount.getBalance());

}

public static void main(String[] args){

BankAccount bankAccount = new BankAccount(1000);

ATM atm = new ATM(bankAccount);

int choice;

Scanner scanner = new Scanner(System.in);

do

{

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

System.out.println("1. Withdraw");

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

System.out.println("3. Check Balance");

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

System.out.println("Please enter your choice: ");

choice = scanner.nextInt();

switch (choice) {

case 1:

atm.withdraw();

break;

case 2:

atm.deposit();

break;

case 3:

atm.checkBalance();

break;

case 4:

System.exit(0);

break;

default:

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

}

}while(choice!=4);

scanner.close();

}

}

 class BankAccount {

    // The account balance

    private int balance;

    // Constructor

    public BankAccount(int balance) {

    this.balance = balance;

    }

    // Withdraws cash from the account

    public void withdraw(int amount){

    if (balance < amount) {

    // System.out.println("Insufficient funds");

    }

    balance -= amount;

    }

    // Deposits cash into the account

    public void deposit(int amount) {

    balance += amount;

    }

    // Checks the account balance

    public int getBalance() {

    return balance;

    }

    }