**import** java.util.\*;

**class** BAccount {

**private** **double** balance;

**public** BAccount(**double** initialBalance) {

balance = initialBalance;

}

**public** **boolean** withdraw(**double** amount) {

**if** (amount <= balance) {

balance -= amount;

**return** **true**;

}

**return** **false**;

}

**public** **void** deposit(**double** amount) {

balance += amount;

}

**public** **double** getBalance() {

**return** balance;

}

}

**class** ATM {

**private** BAccount account;

**public** ATM(BAccount bankAccount) {

account = bankAccount;

}

**public** **void** ATMoperations() {

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");

}

**public** **void** run() {

Scanner scanner = **new** Scanner(System.***in***);

**while** (**true**) {

ATMoperations();

System.***out***.print("Select an option: ");

**int** choice = scanner.nextInt();

**switch** (choice) {

**case** 1:

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

**double** withdrawAmount = scanner.nextDouble();

**if** (account.withdraw(withdrawAmount)) {

System.***out***.println("Withdrawal successful."

+ " Your balance is " + account.getBalance()+" Rs");

} **else** {

System.***out***.println("Insufficient balance in your Account.");

}

**break**;

**case** 2:

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

**double** depositAmount = scanner.nextDouble();

account.deposit(depositAmount);

System.***out***.println("Deposit successful. "

+ "Your balance is " + account.getBalance()+ " Rs");

**break**;

**case** 3:

System.***out***.println("Your balance is " + account.getBalance()+" Rs");

**break**;

**case** 4:

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

scanner.close();

**return**;

**default**:

System.***out***.println("Incorrect option. Please select a correct option.");

}

}

}

}

**public** **class** ATMinterface {

**public** **static** **void** main(String[] args) {

BAccount userAccount = **new** BAccount(1000);

ATM atm = **new** ATM(userAccount);

atm.run();

}

}