Encryptix Task 3

***ATM Interface***

import java.util.Scanner;

//ATM Machine Interface using Class ATM & BankAccount which includes mothods like Deposite,Withdraw & Balancecheck

class ATM

{

private BankAccount acc;

public ATM(BankAccount acc)

{

this.acc=acc;

}

void bank\_process()

{

Scanner sc = new Scanner(System.in);

boolean running= true;

while(running)

{

System.out.println("------WELCOME TO ATM------");

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

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

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

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

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

int opt = sc.nextInt();

switch(opt)

{

case 1: System.out.println("Your Current Balance in the Account is Rs."+acc.getBalance());

break;

case 2: System.out.print("Enter the amount to Deposit : Rs.");

double Amount\_deposit = sc.nextDouble();

acc.Deposit(Amount\_deposit);

break;

case 3: System.out.print("Enter the amount to Withdraw : Rs.");

double Amount\_withdraw = sc.nextDouble();

acc.Withdraw(Amount\_withdraw);

break;

case 4: running = false;

System.out.println("THANK YOU FOR VISITING ATM !");

break;

default:System.out.println("You have entered wrong choice.");

}

}

sc.close();

}

}

class BankAccount

{

private double bal;

BankAccount(double initial\_bal)

{

this.bal= initial\_bal;

}

double getBalance(){

return bal;

}

void Deposit(double amount){

if(amount>0){

bal += amount;

System.out.println("Your amount Rs."+amount+ " is deposited successfully!");

}else{

System.out.println("Please enter positive amount");

}

}

void Withdraw(double amount){

if(amount>0 && amount<=bal){

bal -= amount;

System.out.println("Your amount Rs."+amount+ " is withdraw successfully!");

}else{

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

}

}

}

public class Main{

public static void main(String[] args){

BankAccount BA = new BankAccount(10000.0);

ATM atm = new ATM(BA);

atm.bank\_process();

}

}