Task3

import java.util.\*;

class ATM {

public static void main( String args[] ) {

//declare and initialize balance, withdraw, and deposit

int balance = 50000;

int withdraw, deposit;

//create scanner class object to get choice of user

Scanner sc = new Scanner(System.in);

while(true)

{

System.out.println( "Welcome to ATM ... " );

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

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

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

System.out.println( "Select 4 for EXIT" );

System.out.print( "Select the appropriate options you want to perform:" );

//get the user selected option

int op = sc.nextInt( );

switch( op )

{

case 1: System.out.print( "Enter the amount to be withdrawn :" );

// accept the withdraw amount from the user

withdraw = sc.nextInt();

//check whether the balance is greater than or equal to the withdrawal amount

withdraw( balance, withdraw);

break;

case 2: System.out.print( "Enter the amount to be deposited :" );

//accept the deposit amount from the user

deposit = sc.nextInt();

// call the function and add the deposit amount to the total balance

deposit( balance, deposit );

break;

case 3:

// printing the total balance of the user

printBalance( balance );

System.out.println(" ");

break;

case 4:

// exit from the menu

System.exit( 0 );

}

}

}

// function to print the current balance in an account

public static void printBalance(int balance)

{

System.out.println(" The Current Balance : " + balance);

System.out.println();

}

// The function to Withdraw an amount and update the balance

public static int withdraw(int balance, int withdrawAmount)

{

System.out.println( "Withdrawn Operation :" );

System.out.println("The withdrawing Amount is : " + withdrawAmount);

if (balance >= withdrawAmount) {

balance = balance - withdrawAmount;

System.out.println( "Please collect your money and remove the card" );

printBalance( balance );

}

else {

System.out.println( "Sorry! the balanace is insufficient." );

System.out.println( );

}

return balance;

}

// The function to deposit an amount and update the balance

public static int deposit(int balance, int depositAmount)

{

System.out.println( "Deposit Operation :" );

System.out.println(" The depositing amount is : " + depositAmount);

balance = balance + depositAmount;

System.out.println( "Your Money has been successfully deposited" );

printBalance(balance);

return balance;

}

}