WEEK 5

JAVA LAB - Bank Program

```java
import java.util.*;

class Account{

String name;

int acc_no;

double balance;

void get_info(){

System.out.println("Enter name\n");

Scanner sc=new Scanner(System.in);

name=sc.next();

System.out.println("Enter Account number\n");

acc_no=sc.nextInt();

System.out.println("Enter balance\n");

balance=sc.nextDouble();

if(balance<5000.0){

System.out.println("Balance should be greater than 5000\n");

}

}

void deposit(){

System.out.println("Enter the amount to be deposited");

Scanner kp=new Scanner(System.in);

double add=kp.nextDouble();

balance=balance+add;

}
```

```java
void display(){

System.out.println("Name "+name);

System.out.println("Account number  "+acc_no);

System.out.println("Updated Balance=  "+balance);

}

void withdrawal(){

System.out.println("Enter the amount to be withdrawed");

Scanner vkp=new Scanner(System.in);

double amt=vkp.nextDouble();

balance=balance-amt;

}

}

class Curr_acct extends Account{

double min=5000.0;

double pen=500.0;


void check(){

if(balance<=min){

System.out.println("Low Balance");

balance=balance-pen;

}

}

}

class Sav_acct extends Account{

public void interest(){
```

```java
balance=balance+(5*balance/100);

System.out.println("Updated Balance="+balance);

}

}

class bank{

public static void main(String args[]){

System.out.println("1.CURRENT ACCOUNT\t2.SAVINGS ACCOUNT\t3.EXIT\n");

System.out.println("Enter your choice");

Scanner sp=new Scanner(System.in);

Curr_acct c1=new Curr_acct();

Sav_acct s1=new Sav_acct();

boolean a=true;

System.out.println("Press c for current account\n");

System.out.println("Press s for savings account\n");

String l=sp.next();

if(l.equalsIgnoreCase("c")){

c1.get_info();

c1.check();

while(a){

System.out.println("1.DISPALY\t2.DEPOSIT\t3.WITHDRAW\t4.EXIT\n");

System.out.println("Enter your choice");

int choi=sp.nextInt();

switch(choi){

case 1:c1.display();

break;
```

```java
case 2:c1.deposit();

break;

case 3:c1.withdrawal();

break;

case 4:System.exit(0);

break;

default:System.out.println("Invalid Choice");

}

}

}

else if(l.equalsIgnoreCase("s")){

s1.get_info();

while(a){

System.out.println("1.DISPLAY\t2.DEPOSIT\t3.WITHDRAW\t4.INTEREST\t5.EXIT\n");

System.out.println("Enter your choice");

int cho=sp.nextInt();

switch(cho){

case 1:s1.display();

break;

case 2:s1.deposit();

break;

case 3:s1.withdrawal();

break;

case 4:s1.interest();

break;
```

```java
case 5:System.exit(0);

break;

default:System.out.println("Invalid choice\n");

}

}

}

else{

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

}

}

}
```

OUTPUT

```
C:\Users\Admin\Desktop\1BM21CS232\for java>java bank
1.CURRENT ACCOUNT        2.SAVINGS ACCOUNT        3.EXIT

Enter your choice
Press c for current account

Press s for savings account

c
Enter name

kenny
Enter Account number

232
Enter balance

15000
1.DISPALY        2.DEPOSIT        3.WITHDRAW        4.EXIT

Enter your choice
1
Name kenny
Account number  232
Updated Balance=  15000.0
1.DISPALY        2.DEPOSIT        3.WITHDRAW        4.EXIT

Enter your choice
2
Enter the amount to be deposited
5000
1.DISPALY        2.DEPOSIT        3.WITHDRAW        4.EXIT

Enter your choice
1
Name kenny
Account number  232
Updated Balance=  20000.0
1.DISPALY        2.DEPOSIT        3.WITHDRAW        4.EXIT

Enter your choice
3
Enter the amount to be withdrawed
10000
1.DISPALY        2.DEPOSIT        3.WITHDRAW        4.EXIT

Enter your choice
1
Name kenny
Account number  232
Updated Balance=  10000.0
1.DISPALY        2.DEPOSIT        3.WITHDRAW        4.EXIT

Enter your choice
_
```

```
Enter your choice
Press c for current account

Press s for savings account

s
Enter name

kenny
Enter Account number

232
Enter balance

10000
1.DISPLAY        2.DEPOSIT        3.WITHDRAW        4.INTEREST        5.EXIT

Enter your choice
1
Name kenny
Account number  232
Updated Balance=  10000.0
1.DISPLAY        2.DEPOSIT        3.WITHDRAW        4.INTEREST        5.EXIT

Enter your choice

2
Enter the amount to be deposited
5000
1.DISPLAY        2.DEPOSIT        3.WITHDRAW        4.INTEREST        5.EXIT

Enter your choice
1
Name kenny
Account number  232
Updated Balance=  15000.0
1.DISPLAY        2.DEPOSIT        3.WITHDRAW        4.INTEREST        5.EXIT

Enter your choice
4
Updated Balance=15750.0
1.DISPLAY        2.DEPOSIT        3.WITHDRAW        4.INTEREST        5.EXIT

Enter your choice
3
Enter the amount to be withdrawed
5000
1.DISPLAY        2.DEPOSIT        3.WITHDRAW        4.INTEREST        5.EXIT

Enter your choice
1
Name kenny
Account number  232
Updated Balance=  10750.0
1.DISPLAY        2.DEPOSIT        3.WITHDRAW        4.INTEREST        5.EXIT

Enter your choice
```