

Bank week 5
1BM21CS244

```
import java.util.*;
class account{
String ac_name;
int ac_no;
account(String s,int ac){
ac_name=s;ac_no=ac;
}

}
class sav_act extends account{
Scanner sc=new Scanner(System.in);
double sum=0;
sav_act(String s,int ac){
super(s,ac);
}
void deposit(){
System.out.println("ENTER AMOUNT");
double am=sc.nextInt();
sum+=am;
return;
}
void balance(){
System.out.println("BALANCE AMOUNT IS "+sum);
return;
}
double interest(){
return sum*0.08;
}
void withdraw(){
System.out.println("ENTER THE AMOUNT");
double am=sc.nextInt();
sum-=am;
return;
```

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}
}
class cur_act extends account{
cur_act(String s,int ac){
super(s,ac);
}
Scanner sc=new Scanner(System.in);
double sum1=0;
void deposit(){
System.out.println("ENTER AMOUNT");
double am=sc.nextInt();
sum1+=am;
return;
}
void balance(){
System.out.println("BALANCE AMOUNT IS "+sum1);
return;
}
void withdraw(){
System.out.println("ENTER THE AMOUNT");
double am=sc.nextInt();
sum1-=am;
return;
}

}
class bank_week5{
public static void main(String args[]){

Scanner sc=new Scanner(System.in);
int flag=1;

System.out.println("ENTER NAME AND ACCOUNT NUMBER");
String ac_name=sc.next();
int ac_no=sc.nextInt();
sav_act sa=new sav_act(ac_name,ac_no);
        cur_act cu=new cur_act(ac_name,ac_no);

```

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while(flag==1){
System.out.println("1.DEPOSIT AMOUNT"+"\\n"+"2.DISPLAY
BALANCE"+"\\n"+"3.SHOW
INTEREST"+"\\n"+"4.WITHDRAW"+"\\n"+"5.DETAILS"+"\\n"+"6.exit");
int ch=sc.nextInt();

switch(ch){
case 1:
System.out.println("1.DEPOSIT AMOUNT IN SAVING ACCOUNT 2.DEPOSIT
AMOUNT IN CURRENT ACCOUNT");
int x=sc.nextInt();
if(x==1) sa.deposit();
if(x==2) cu.deposit();
break;
case 2:
System.out.println("1.BALANCE AMOUNT IN SAVING ACCOUNT 2.BALANCE
AMOUNT IN CURRENT ACCOUNT");
int y=sc.nextInt();
if(y==1) sa.balance();
if(y==2) cu.balance();
break;
case 3:
System.out.println("INTEREST AMOUNT IS "+sa.interest());
break;
case 4:
System.out.println("1.WITHDRAW USING CASH 2.WITHDRAW USING
CHEQUE");
int z=sc.nextInt();
if(z==1) sa.withdraw();
if(z==2) cu.withdraw();
break;
case 5:
System.out.println("ACCOUNT DETAILS ARE "+sa.ac_name+" and "+sa.ac_no);
break;
case 6:
flag=0;

```

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break;
default: System.out.println("INVALID INPUTS");
}
}
}
}

```

OUTPUT

```

C:\Users\Admin\Desktop>java bank_week5
ENTER NAME AND ACCOUNT NUMBER
Suhas
121
1.DEPOSIT AMOUNT
2.DISPLAY BALANCE
3.SHOW INTEREST
4.WITHDRAW
5.DETAILS
6.exit
1
1.DEPOSIT AMOUNT IN SAVING ACCOUNT 2.DEPOSIT AMOUNT IN CURRENT ACCOUNT
1
ENTER AMOUNT
2300

```

```

2.DISPLAY BALANCE
3.SHOW INTEREST
4.WITHDRAW
5.DETAILS
6.exit
1
1.DEPOSIT AMOUNT IN SAVING ACCOUNT 2.DEPOSIT AMOUNT IN CURRENT ACCOUNT
2
ENTER AMOUNT
2000
1.DEPOSIT AMOUNT
2.DISPLAY BALANCE
3.SHOW INTEREST
4.WITHDRAW
5.DETAILS
6.exit
2
1.BALANCE AMOUNT IN SAVING ACCOUNT 2.BALANCE AMOUNT IN CURRENT ACCOUNT
1
BALANCE AMOUNT IS 2300.0
1.DEPOSIT AMOUNT
2.DISPLAY BALANCE
3.SHOW INTEREST
4.WITHDRAW
5.DETAILS
6.exit
3
INTEREST AMOUNT IS 184.0

```

```
2.DISPLAY BALANCE
3.SHOW INTEREST
4.WITHDRAW
5.DETAILS
6.exit
4
1.WITHDRAW USING CASH 2.WITHDRAW USING CHEQUE
1
ENTER THE AMOUNT
1000
1.DEPOSIT AMOUNT
2.DISPLAY BALANCE
3.SHOW INTEREST
4.WITHDRAW
5.DETAILS
6.exit
2
1.BALANCE AMOUNT IN SAVING ACCOUNT 2.BALANCE AMOUNT IN CURRENT ACCOUNT
1
BALANCE AMOUNT IS 1300.0
1.DEPOSIT AMOUNT
2.DISPLAY BALANCE
3.SHOW INTEREST
4.WITHDRAW
5.DETAILS
6.exit
```