

## BANK PROGRAM

### WEEK-5

```
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 vb=new Scanner(System.in);
```

```
double add=vb.nextDouble();

balance=balance+add;

}

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System.out.println("Enter the amount to be withdrawn");

Scanner va=new Scanner(System.in);

double amt=va.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(){

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;
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;
case 5:System.exit(0);
        break;
default:System.out.println("Invalid choice\n");
}
}
}
else{
System.out.println("Invalid character");
}
}
}
```

OUTPUT

```
C:\Users\Admin\Desktop\1BM21CS237\00J LAB>javac bank.java
```

```
C:\Users\Admin\Desktop\1BM21CS237\00J LAB>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
```

```
Varun
```

```
Enter Account number
```

```
100
```

```
Enter balance
```

```
10000
```

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

```
Enter your choice
```

```
2
```

```
Enter the amount to be deposited
```

```
10000
```

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

```
Enter your choice
```

```
3
```

```
Enter the amount to be withdrawn
```

```
1000
```

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

```
Enter your choice
```

```
1
```

```
Name Varun
```

```
Account number 100
```

```
Updated Balance= 19000.0
```

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

```
Enter your choice
```

```
4
```

```
C:\Users\Admin\Desktop\1BM21CS237\00J LAB>_
```

1.

```

C:\Users\Admin\Desktop\1BM21CS237\00J LAB>java bank
1.CURRENT ACCOUNT      2.SAVINGS ACCOUNT      3.EXIT

Enter your choice
Press c for current account

Press s for savings account

s
Enter name
Ram
Enter Account number
101
Enter balance
9000
1.DISPLAY      2.DEPOSIT      3.WITHDRAW      4.INTEREST      5.EXIT

Enter your choice
2
Enter the amount to be deposited
10000
1.DISPLAY      2.DEPOSIT      3.WITHDRAW      4.INTEREST      5.EXIT

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Enter the amount to be withdrawn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

Enter your choice
4
Updated Balance=14700.0
1.DISPLAY      2.DEPOSIT      3.WITHDRAW      4.INTEREST      5.EXIT

Enter your choice
1
Name Ram
Account number 101
Updated Balance= 14700.0
1.DISPLAY      2.DEPOSIT      3.WITHDRAW      4.INTEREST      5.EXIT

Enter your choice
5
2.C:\Users\Admin\Desktop\1BM21CS237\00J LAB>

```