

## Lab 5

```
import java.util.*;  
class Bank {  
    public static void main () {  
        boolean next=true;  
        Scanner sc=new Scanner (System.in);  
        while (next) {  
            System.out.println ("1. Saving Account");  
            System.out.println ("2. Current Account");  
            System.out.println ("Enter type of account.");  
            int n=sc.nextInt();  
            String s=sc.nextLine();  
            if (n==1) {  
                Sav acct=new Sav_acct();  
                System.out.println ("Enter name");  
                ch.name=sc.nextLine();  
                System.out.println ("Enter account number");  
                ch.acno=sc.nextInt();  
                ch.chckfr cb.acceptBalance();  
                cb.compute();  
                cb.withdraw ();  
                cb.display ();  
            }  
            else {  
                Curr_acct ob=new Curr_acct ();  
                System.out.println ("Enter name");  
                ob.name=sc.nextLine();  
                System.out.println ("Enter account number");  
                ob.acno =sc.nextInt();  
                ob.acceptBalance();  
                ob.chckmin();  
                ob.withdraw ();  
                ob.display ();  
            }  
        }  
    }  
}
```

```
System.out.println ("Enter 1 for next , 2 to exit");
int c = sc.nextInt();
if (c == 1)
    continue;
else
    next = false;
}
}
```

```
class Account {
    String name;
    int accno;
    String acctype;
}
```

```
class Curr_acct extends Account {
    double balance;
    void acceptbalance () {
        Scanner sc = new Scanner (System.in);
        System.out.println ("Enter deposit amount");
        double d = sc.nextDouble();
        balance += d;
    }
    void display () {
        System.out.println ("Balance: " + balance);
    }
    void withdraw () {
        Scanner sc = new Scanner (System.in);
        System.out.println ("Enter amount to withdraw");
        int w = sc.nextInt();
        balance -= w;
    }
}
```

void checkmin() {  
    if (balance <= 500)  
        balance -= 50;  
    System.out.println ("Service charge of Rs 50/-  
                      has been imposed");  
}  
  
void chapk() {  
    System.out.println ("Name: " + super.name);  
    System.out.println ("Account number: " + super.accno);  
    System.out.println ("Balance: " + balance);  
    System.out.println ("Account type: Current account")  
}

3  
  
class Sav\_acct extends Account {  
    double balance;  
    void acceptBalance() {  
        Scanner sc = new Scanner (System.in);  
        System.out.println ("Enter deposit amount");  
        double d = sc.nextDouble();  
        balance += d;  
    }  
    void display() {  
        System.out.println ("Balance: " + balance);  
    }  
    void compute() {  
        Scanner sc = new Scanner (System.in);  
        System.out.println ("Enter duration in months");  
        int n = sc.nextInt();  
        balance += (0.025 \* n);  
    }  
}

void withdraw () {

Scanner sc = new Scanner (System.in);

System.out.print ("Enter amount to withdraw");

int w = sc.nextInt();

balance -= w;

}

} //end.

```
1 import java.util.*;
2 class Bank {
3     public static void main() {
4         boolean nxt=true;
5         Scanner sc=new Scanner(System.in);
6         while(nxt) {
7             System.out.println("1.Savings Account");
8             System.out.println("2.Current Account");
9             System.out.println("Enter type of account");
10            int n=sc.nextInt();
11            String s=sc.nextLine();
12            if(n==1) {
13                Sav_acct ob=new Sav_acct();
14                System.out.println("Enter name");
15                ob.name=sc.nextLine();
16                System.out.println("Enter acc number");
17                ob.accno=sc.nextInt();
18                ob.acceptBalance();
19                ob.display();
20                ob.compute();
21                ob.withdraw();
22            }
23            else {
24                Curr_acct ob=new Curr_acct();
25                System.out.println("Enter name");
26                ob.name=sc.nextLine();
27                System.out.println("Enter acc number");
28                ob.accno=sc.nextInt();
29                ob.acceptBalance();
30                ob.checkmin();
31                ob.display();
32                ob.withdraw();
33            }
34            System.out.println("Enter 1 for next customer, 2 to end");
35            int c=sc.nextInt();
36            if(c==1)
37                continue;
38            else
39                nxt=false;
40        }
41    }
42 }
```

```
    }
}

class Account {
    String name;
    int accno;
    String acctype;
}
class Curr_acct extends Account {
    double balance;
    void acceptBalance() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter deposit amount");
        double d=sc.nextDouble();
        balance+=d;
    }
    void display() {
        System.out.println("Balance : "+balance);
    }
    void withdraw() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter amount to withdraw");
        int w=sc.nextInt();
        balance-=w;
    }
    void checkmin() {
        if(balance<500)
            balance-=50;
        System.out.println("Service charge of Rs.50/- has been imposed");
    }
    void chqbk() {
        System.out.println("Name : "+super.name);
        System.out.println("Account Number : "+super.accno);
        System.out.println("Balance : "+balance);
        System.out.println("Account type: Current account");
    }
}
class Sav_acct extends Account {
    double balance;
```

```
System.out.println("Enter amount to withdraw");
int w=sc.nextInt();
balance-=w;
}
void checkmin() {
    if(balance<500)
        balance-=50;
    System.out.println("Service charge of Rs.50/- has been imposed");
}
void chqbk() {
    System.out.println("Name:"+super.name);
    System.out.println("Account Number:"+super.accno);
    System.out.println("Balance:"+balance);
    System.out.println("Account type: Current account");
}
}
class Sav_acct extends Account {
    double balance;
    void acceptBalance() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter deposit amount");
        double d=sc.nextDouble();
        balance+=d;
    }
    void display() {
        System.out.println("Balance:"+balance);
    }
    void compute() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter Duration in months");
        int n=sc.nextInt();
        balance+=(0.025*n);
    }
    void withdraw() {
        Scanner sc=new Scanner(System.in);
        System.out.println("Enter amount to withdraw");
        int w=sc.nextInt();
        balance-=w;
    }
}
```

1.Savings Account  
2.Current Account  
Enter type of account

1

Enter name

alpha

Enter acc number

12345

Enter deposit amount

450

Balance:450.0

Enter Duration in months

10

Enter amount to withdraw

200

Enter 1 for next customer, 2 to end

1

1.Savings Account

2.Current Account

Enter type of account

2

Enter name

beta

Enter acc number

6789

Enter deposit amount

400

Service charge of Rs.50/- has been imposed

Balance:350.0

Enter amount to withdraw

20

Enter 1 for next customer, 2 to end

2