

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. Savings 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");
                ob.name = sc.nextLine ();
                System.out.println ("Enter account number");
                ob.acno=sc.nextInt ();
                ob.display ob.acceptBalance ();
                ob.compute ();
                ob.withdrawal ();
                ob.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.checkmin ();
                ob.withdrawal ();
                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 CurrAcct extends Account {
    double balance;
    void acceptBalance() {
        Scanner sc = new Scanner(System.in);
        System.out.println("Enter deposit amount");
        double d = sc.nextDouble();
        balance += d;
    }
}

```

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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 check ()

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

System.out.println ("Account number:" + super.acno);

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;
```

```
}
```

```
//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.accto=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.accto=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        }

```

```

    }
}

class Account {
    String name;
    int aceno;
    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.aceno);
        System.out.println("Balance:"+balance);
        System.out.println("Account type: Current account");
    }
}

class Sav_acct extends Account {
    double balance;
    void acceptBalance() {

```

```

        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.acno);
        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