Command Prompt - java Bank

```
3:withdraw
4:checkbook
5:saving account
1
enter amount to be added:
2000
1:AddBal
2:displayBal
3:withdraw
4:checkbook
5:saving account
2
Your balance is: 3000.0
1:AddBal
2:displayBal
3:withdraw
4:checkbook
5:saving account
1
enter amount to be added:
234
1:AddBal
2:displayBal
3:withdraw
4:checkbook
5:saving account
2
Your balance is: 3234.0
1:AddBal
2:displayBal
3:withdraw
4:checkbook
5:saving account
```

```
        System.out.println("balance = "+balance);
        if (balance < minbal) {
         System.out.println("penalty of RS."+(balance * 0.01)+" as balance is less than the minumun needed ");
            balance = balance - balance * 0.01;
            System.out.println("current balance = "+ balance);

        }
   }
    }
class Sav_acct extends account {
Sav_acct(String name, long num, double bal) {
        super(name, num, bal, "Savings");
        System.out.println("name: " + accname + "\taccno: " + accnum + "\tbal: " + bal + "\ttype: " + acctype);
    }

    void addBal(double amount){
        balance  = balance + amount;
        interest();
    }

    void interest() {
        int t = 2;
        balance = balance*Math.pow(1+(0.2) , t);
    }

    void dispBal(){
        System.out.println("Your balance is: " + balance);
    }

    void withdraw(double amount){
        balance = balance - amount;
        System.out.println("balance = "+balance);

    }
    }
```

bank - Notepad

File Edit Format View Help

```
import java.util.Scanner ;
 abstract class account{
    String accname,acctype;
    long accnum;
    double balance;
    final int minbal=1000;
    account(String name, long num, double bal, String type) {
        accname = name;
        accnum = num;
        balance = bal;
        acctype = type;
    }
      abstract void addBal(double amt);
      abstract void dispBal();
     abstract void withdraw(double amt);
}
class curr_acct extends account{
    curr_acct(String name, long num, double bal, String type) {
        super(name,num, bal,type);
     System.out.println("name: "+accname+"\naccnum: "+accnum+"\nbalance: "+balance+"\nacctype: Current");
    }
    void addBal(double amount){
        balance = balance + amount;
    }
     void dispBal(){
        System.out.println("Your balance is: " + balance);
    }
     void withdraw(double amount){
        if(balance < amount){
            System.out.println("you dont have enough balance");
            System.out.println("balance is "+balance);
            return;
        }
        balance =balance - amount;
        System.out.println("balance = "+balance);
        if (balance < minbal) {
```

File Edit Format View Help

```
public class bank
{
        public static void main(String[] args) {
            Scanner sc = new Scanner(System.in);
                curr_acct c = new curr_acct("jay",123456,3000.0,"Current");
                double amount;
                int flag= 0;
            while( flag == 0) {
            System.out.println("1:AddBal\n2:displayBal\n3:withdraw\n4:checkbook\n5:saving account");
            int ch = sc.nextInt();
            switch (ch) {
                case 1:
                    System.out.println("enter amount to be added:");
                    amount = sc.nextDouble();
                    c.addBal(amount);
                    break;

                case 2:
                    c.dispBal();
                    break;

                case 3:
                    System.out.println("enter amount to be withdrawn:");
                    amount = sc.nextDouble();
                    c.withdraw(amount);
                    break;
                case 4:
                    System.out.println("enter details \nenter name of the reciever:");
                    String recname = sc.nextLine();
                     recname = sc.nextLine();
                    System.out.println("enter the amount to be sent:");
                    double a = sc.nextDouble();
                    if(a> c.balance)
                    {
                        System.out.println("you dont have enough balance");
                    }
```

```
            }
            else{
            System.out.println("Enter password");
            String p = sc.nextLine();
            p=sc.nextLine();
            System.out.println(" reciever : "+recname +"\namount sent is "+a);
            c.balance = c.balance - a;
            }
            System.out.println("balance = "+c.balance);

            break;

        default:
            flag = 1;
    }
}
Sav_acct s = new Sav_acct("jennie",500676, 7000);
 flag = 0;
while(flag == 0){
    System.out.println("1:AddBal\n2:displayBal\n3:withdraw\n4:quit");
    int ch = sc.nextInt();
    switch (ch) {
        case 1:
            System.out.println("enter amt to be added:");
            amount = sc.nextDouble();
            s.addBal(amount);
            break;

        case 2:
            s.dispBal();
            break;

        case 3:
            System.out.println("enter amt to be withdrawn:");
            amount = sc.nextDouble();
            s.withdraw(amount);
```

```
C:\Users\Hima\Desktop\java>
C:\Users\Hima\Desktop\java>javac bank.java

C:\Users\Hima\Desktop\java>java bank
name: jay
accnum: 123456
balance: 3000.0
acctype: Current
1:AddBal
2:displayBal
3:withdraw
4:checkbook
5:saving account
4
enter details
enter name of the reciever:
himani
enter the amount to be sent:
2345
Enter password
dhkufdhv
 reciever : himani
amount sent is 2345.0
balance = 655.0
1:AddBal
2:displayBal
3:withdraw
4:checkbook
5:saving account
1
enter amount to be added:
345
1:AddBal
2:displayBal
3:withdraw
4:checkbook
5:saving account
2
Your balance is: 1000.0
1:AddBal
2:displayBal
3:withdraw
4:checkbook
5:saving account
```

File Edit Format View Help

```
                break;

            default:
                flag = 1;
        }
    }
    Sav_acct s = new Sav_acct("jennie",500676, 7000);
     flag = 0;
    while(flag == 0){
        System.out.println("1:AddBal\n2:displayBal\n3:withdraw\n4:quit");
        int ch = sc.nextInt();
        switch (ch) {
            case 1:
                System.out.println("enter amt to be added:");
                amount = sc.nextDouble();
                s.addBal(amount);
                break;

            case 2:
                s.dispBal();
                break;

            case 3:
                System.out.println("enter amt to be withdrawn:");
                amount = sc.nextDouble();
                s.withdraw(amount);
                break;

            default:
                flag =1;
        }
    }

    }
    }
```