```
class Account{    import java.util.*;
    String name;
    int AcctNo;
    String AcctType;
    double Balance;
    Account(String name, int AcctNo, String AcctType, double
                                                    Balance){
        this.name = name;
        this.AcctNo = AcctNo;
        this.AcctType = AcctType + " Account"
        this.Balance = Balance;
    }
    void Display(){
        System.out.println("Name : " + name );
        System.out.println("Account No. : " + AcctNo);
        System.out.println("Account Type : " + AcctType);
        System.out.println("Balance : " + Balance);
    }
}

class currAcct extends Account{
        double depositeAmount;
        double withdrawAmount;
        double minBalance = 1000;
        void checkBo static Scanner in = new Scanner(System.in);
        CurrAcct(String Name, int AcctNo, String AcctType, double Balance){
            super(name, AcctNo, AcctType, Balance);
        }
```

```
void checkBalance(){
    if(balance < minbalance){
        System.out.println("Transaction not possible. Balance
                            less than min. balance.");

        balance += withDrawAmount;
        System.out.println("Do you still want to do the
                            Transaction with service charges. Yes/No");
        String ans = in.next();
        if(ans.equals("yes")){
            balance -=(withDrawAmount +(0.05 *withDrawAmount)
                                        + 1000);
        }else{
            System.out.println("ALERT!\n Negative Balance.\n
                            Service Charges = "+(0.05*withDrawAmo
        }else{
        withDrawAmount = 0;
    }
  } }
}
void withDraw(){
    System.out.println("Enter with-draval Amount");
    double withDrawAmount = in.nextDouble();
    balance -= withDrawAmount;
    checkBalance();
    System.out.println("With-Draw Amount : " + withDrawAmo
}
void Deposit(){
    System.out.println("Enter Deposit Amount");
    depositAmount = in.nextDouble();
```

```
        balance += depositeAmount;
    }
}
class SavAcct extends Account{
    double depositeAmt;
    double withdrawAmt;
    Scanner in = new Scanner(System.in);
    SavAcct(String name, int AcctNo, String AcctType, double Balance){
        super(name, AcctNo, AcctType, Balance);
    }
    void checkBalance(){
        if(balance <=0){
            System.out.println("Transaction not possible");
            balance += withDrawAmt;
            withDrawAmt = 0;
        }
    }
    void compound(){
        System.out.println("Enter the tenure since acct.
                            was opened (in years)");
        System.out.println("Rate of interest = 4%");
        double year = in.nextDouble();
        balance = balance * Math.pow(1.04, year);
    }
    void withDraw(){
        System.out.println("Enter withdraw Amount");
        withDrawAmount = in.nextDouble();
        balance -= withDrawAmt;
        checkBalance();
        System.out.println("Withdrawn Amount: " +withDrawAmt);
```

```
    void deposit(){
        System.out.println("Enter the deposit Amount");
        depositAmt = in.nextDouble();
        balance += depositAmt;
    }
}
class W5P2{
    public static void main(String[] args){
        CurrAcct c1 = new CurrAcct("abc", 123, "Current",
                                                    10000);
        SavAcct s1 = new SavAcct("xyz", 456, "Savings",50000);
        c1.display();
        c1.deposit();
        c1.display();
        c1.withDraw();
        c1.display();
        s1.display();
        s1.deposit();
        s1.display();
        s1.withDraw();
        s1.display();
        s1.compound();
        s1.display();
    }
}
```