

Develop a Java program to develop a class bank with current account & savings account.

```

import java.util.Scanner;
class account {
    String name;
    int accno;
    String type;
    double balance;

    account(String name, int accno, String type, double balance)
    {
        this.name = name;
        this.accno = accno;
        this.type = type;
        this.balance = balance;
    }

    void deposit(double amount)
    {
        balance += amount;
    }

    void withdraw(double amount)
    {
        if ((balance - amount) >= 0)
            balance -= amount;
        else
            System.out.println("Insufficient balance");
    }

    void display()
    {
        System.out.println("Name:" + name, "Account No:" + accno,
                           "Type:" + type, "Balance:" + balance);
    }
}

```

```

class SavAcc extends account {
    private static double rate = 5;
    SavAcc(String name, int accno, double balance)
    {
        super(name, accno, "savings", balance);
    }
    void interest()
    {
        balance += balance * (rate) / 100;
        System.out.println("Balance :" + balance);
    }
}

```

```

class CurAcc extends account {
    private double minBal = 500;
    CurAcc(String name, int accno, double balance)
    {
        super(name, accno, "current", balance);
    }
    void checkmin()
    {
        if (balance < minBal)
            System.out.println("Balance is less than min Balance");
            "service charges imposed :" + servicecharges;
            System.out.println("Balance is " + balance);
    }
}

```

```
class Bank{  
    public static void main(String args[])  
    {  
        Scanner s = new Scanner(System.in);  
        System.out.println("Enter the name:");  
        String name = s.next();  
        System.out.println("Enter the type of account:");  
        String type = s.next();  
        System.out.println("Enter the account number:");  
        int accno = s.nextInt();  
        System.out.println("Enter the initial balance:");  
        double balance = s.nextDouble();  
        int ch;  
        double amount1, amount2;  
        account tacc = new account(name, accno, type, balance);  
        savAcc sa = new account(name, accno, balance);  
        curAcc ca = new account(name, accno, balance);  
        while(true)  
        {  
            if(tacc.type.equals("savings"))  
            {  
                System.out.println("In Menu In 1. Deposit  
                In 2. Withdraw In 3. Compute Interest In  
                4. display");  
                System.out.println("Enter the choice:");  
                ch = s.nextInt();  
                switch(ch)  
                {  
                    case 1: System.out.println("Enter the amount:");  
                        amount1 = s.nextInt();  
                        sa.deposit(amount1);  
                        break;  
                    case 2: System.out.println("Enter the amount:");  
                        amount2 = s.nextInt();  
                        sa.withdraw(amount2);  
                        break;  
                    case 3: System.out.println("Enter the interest rate:");  
                        interestRate = s.nextDouble();  
                        ca.computeInterest(interestRate);  
                        break;  
                    case 4: System.out.println("Displaying account details");  
                        ca.display();  
                        break;  
                }  
            }  
        }  
    }  
}
```

```
case 2: System.out.println("Enter the amount:");
        amount2 = s.nextInt();
        sa.withdraw(amount2);
        break;
case 3: sa.interest();
        break;
case 4: sa.display();
        break;
case 5: exit(0);
default: System.out.println("Invalid input");
        break;
}
else
{
```

```
System.out.println("In Menu In 1.Deposit In 2.Withdraw
In 3.Display In 4.Exit");
System.out.println("Enter the choice:");
ch = s.nextInt();
switch(ch)
```

```
case 1: System.out.println("Enter the amount:");
        amount1 = s.nextInt();
```

```
ca.deposit(amount1);
        break;
```

```
case 2: System.out.println("Enter the amount:");
        amount2 = s.nextInt();
```

```
ca.withdraw(amount2);
```

```
ca.checkmin();
```

```
break;
```

```
case 3: ca.display();
```

```
break;
```

case 4: System.exit(0);

}

Output:

Enter the name: Santosh

Enter the type (current/savings):

current

Enter the account number:

5425

Enter the initial balance:

1000

----- MENU -----

1. Deposit 2. Withdraw 3. display

Enter the choice: 1

Enter the amount: 1000

----- MENU -----

1. Deposit 2. Withdraw 3. Display

1.

Enter the amount: 500

----- MENU -----

1. Deposit 2. Withdraw 3. display

2.

Enter the amount = 500

----- MENU -----

1. Deposit 2. Withdraw 3. Display

3.

Name: Santosh

Accno: 5425

Type: current

Balance: 1500

QW
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