```
class Account {
   String customername;
   int accountno;
   String accounttype;
   float balance = 0;

   Account(String customername, int accountno, String accounttype) {
      this.customername = customername;
      this.accountno = accountno;
      this.accounttype = accounttype;
   }


   void deposit(int money) {
      balance = balance + money;
      System.out.println(money + " has been deposited into the bank account.");
   }


   void withdraw(int money) {
      balance = balance - money;
      System.out.println("Balance after withdrawal: " + balance);
   }


   void displayBalance() {
```

```
        System.out.println("Current balance: " + balance);
    }
}


class CurrAccount extends Account {
    int minBalance = 1000;
    int serviceCharge = 50;

    CurrAccount(String customername, int accountno, String accounttype) {
        super(customername, accountno, accounttype);
    }


    @Override
    void withdraw(int money) {
        balance = balance - money;
        if (balance < minBalance) {
            balance = balance - serviceCharge;
            System.out.println("Balance below minimum amount, service charge of " +
serviceCharge + " is imposed.");
        }
        System.out.println("Balance after withdrawal: " + balance);
    }
```

```
    void chequebook() {
        System.out.println("Cheque Book is generated.");
    }
}


class SavAccount extends Account {
    int minBalance = 100;
    int serviceCharge = 20;
    float interestRate = 0.06f;

    SavAccount(String customername, int accountno, String accounttype) {
        super(customername, accountno, accounttype);
    }


    @Override
    void withdraw(int money) {
        balance = balance - money;
        if (balance < minBalance) {
            balance = balance - serviceCharge;
            System.out.println("Balance below minimum amount, service charge of " +
serviceCharge + " is imposed.");
        }
        System.out.println("Balance after withdrawal: " + balance);
    }
```

```
    void compound() {
        balance = balance + (balance * interestRate);
        System.out.println("Interest added. Balance: " + balance);
    }
}

public class Main {
    public static void main(String args[]) {

        SavAccount s1 = new SavAccount("Raj", 101, "Savings");
        CurrAccount a1 = new CurrAccount("Suresh", 102, "Current");



        s1.deposit(5000);
        s1.withdraw(4950);
        s1.compound();
        s1.displayBalance();



        a1.deposit(100000);
        a1.chequebook();
        a1.withdraw(99500);
        a1.displayBalance();
    }
```

}

```
5000 has been deposited into the bank account.
Balance below minimum amount, service charge of 20 is imposed.
Balance after withdrawal: 30.0
Interest added. Balance: 31.8
Current balance: 31.8
100000 has been deposited into the bank account.
Cheque Book is generated.
Balance below minimum amount, service charge of 50 is imposed.
Balance after withdrawal: 450.0
Current balance: 450.0

=== Code Execution Successful ===
```