

```
import java.util.Scanner;
abstract class Account {
    String cName, accType;
    long accNo;
    double bal;
    final double minBal = 1000.0;
    Account (String cName, long accNo, double bal,
              String accType) {
        this.accNo = accNo;
        this.cName = cName;
        this.bal = bal;
        this.accType = accType;
    }
    abstract void addBal (double amt);
    abstract void drpBal ();
    abstract void withBal (double amt);
}
class Curr_acct extends Account {
    Curr_acct (String cName, long accNo, double bal) {
        super (cName, accNo, bal, "Current");
        System.out.println ("name:" + cName + "\t accNo: " +
                             accNo + "\t bal: " + bal + "\t type" + accType);
    }
}
```

```
void addBal ( double amt) {
```

```
    this.bal += amt;
```

```
}
```

```
void dispBal () {
```

```
    System.out.println("Your balance is : " + this.bal); }
```

```
void withBal(int double amt) {
```

```
    if (this.bal == 0 || amt > this.bal) {
```

```
        System.out.println("withdrawal not possible");
```

```
    } else {
```

```
        this.bal -= amt;
```

```
        checkBal();
```

```
    }
```

```
}
```

```
void checkBal () {
```

```
    if (this.bal < minBal) {
```

```
        this.bal -= this.bal * 0.02; } } }
```

```
class Sav_acct extends Account {
```

```
    Sav_acct (String cName, long accNo, double bal) {
```

```
        super(cName, accNo, bal, "savings");
```

```
        System.out.println("name: " + cName + " | accno: " +  
accNo + " | bal: " + bal + " | type: " + accType); }
```

```
    void addBal (double amt) {
```

```
        this.bal += amt;
```

```
        addInte();
```

```
}
```



```
void addIntx() {
```

```
    this.bal += this.bal * 0.07; }
```

```
void dispBal() { System.out.println("Balance:" + this.bal); }
```

```
void withBal(double amt) {
```

```
    if (this.bal == 0 || amt > this.bal) {
```

```
        System.out.println("Withdrawal not possible");
```

```
    } else { this.bal -= amt;
```

```
    } }
```

```
class AccountMain {
```

```
    public static void main(String[] args) {
```

```
        Scanner sc = new Scanner(System.in);
```

```
        Double amt;
```

```
        int flag = 0;
```

```
        while (flag == 0) {
```

```
            System.out.println("1: Current 2: Savings else: exit");
```

```
            int ch = sc.nextInt();
```

```
            String nam;
```

```
            long acno;
```

```
            double balan;
```

```
            switch (ch) {
```

```
                case 1: System.out.println("Enter name, acno, bal");
```

```
                    nam = sc.next();
```

```
                    acno = sc.nextLong();
```

```
                    balan = sc.nextDouble();
```

```
Curr-accnt c = new Curr-accnt (nam, acno, balan);
```

```
Int flag1 = 0;
```

```
while (flag1 == 0) {
```

```
System.out.println("1: add 2: display 3: withdraw  
default: exit");
```

```
Int ch1 = sc.nextInt();
```

```
switch (ch1) {
```

```
case 1: System.out.println("enter amt to add");
```

```
amt = sc.nextDouble();
```

```
c.addBal(amt);
```

```
break;
```

```
case 2: c.displayBal(); break;
```

```
case 3: System.out.println("ent amt to remove");
```

```
amt = sc.nextDouble();
```

```
c.withBal(amt);
```

```
break;
```

```
default: flag1 = 1; } } break;
```

```
case 2:
```

```
System.out.println("Enter name, acno and bal");
```

```
nam = sc.next();
```

```
acno = sc.nextLong();
```

```
balan = sc.nextDouble();
```

```
Sav-accnt s = new Sav-accnt (nam, acno, balan);
```

```
Int flag2 = 0;
```



```
while(Flag2 == 0) {  
    System.out.println("1: add 2: display 3: remove else: exit");  
    int ch2 = sc.nextInt();  
    switch(ch2) {  
        case 1: System.out.println("enter amt to add");  
                amt = sc.nextDouble();  
                s.addBal(amt);  
                break;  
        case 2: s.displayBal(); break;  
        case 3: System.out.println("enter amount to remove");  
                amt = sc.nextDouble();  
                s.withBal(amt);  
                break;  
        default: Flag2 = 1;  
                } } break;  
    default: Flag = 1;  
    }  
    }  
    }  
    }
```