

2) Bank

```
import java.util.Scanner;
class Account {
    boolean check;
    String name;
    long accno;
    String acctype;
    double bal;
    Scanner sc = new Scanner(System.in);
    Account(String name, long accno, String
        acctype, double bal, boolean cheque)
    {
        this.name = name;
        this.accno = accno;
        this.acctype = acctype;
        this.bal = bal;
        this.cheque = cheque;
    }
}
```

}

```
void Dep() {
    System.out.println("Enter amount to be deposited");
    double amt = sc.nextDouble();
    bal += amt;
}
```

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

}

```
public void interest() {
    System.out.println("Enter rate: ");
    double rate = sc.nextDouble();
    if ("Savings".equals(acctype)) {
        double interest = bal * (rate/100);
        bal += interest;
    }
}
```

}


```

public void withdraw () {
    Scanner sc = new Scanner(System.in);
    double amt = sc.nextDouble();
    if (amt <= bal) {
        bal -= amt;
    }
    else {
        Scanner sc2 = new Scanner(System.in);
        System.out.println("Insufficient funds");
    }
}

```

```

class savings savacct extends Account {
    public savings savacct (String name, long accno,
        double bal, boolean cheque) {
        super(name, accno, "Savings", bal, cheque);
    }
}

```

```

class current curacct extends Account {
    double minbal;
    double sew;
    public current curacct (String name, long accno,
        double bal, double minbal,
        double sew, boolean cheque) {
        super(name, accno, "Current", bal, cheque);
        this.minbal = minbal;
        this.sew = sew;
    }
}

```


@ override

```
public void withdraw () {
```

```
    sopln ("Enter amt to be withdrawn");
```

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

```
    if (amt <= bal - minBal) {
```

```
        bal -= amt;
```

```
    }
```

```
    else {
```

```
        sopln ("Insufficient funds");
```

```
    }
```

```
}
```

```
public void check () {
```

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

```
        bal -= serv;
```

```
        sopln ("Service charges applied");
```

```
    }
```

```
}
```

```
}
```

```
Class Main {
```

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

```
        Account s = new Account ("Joseph",
```

```
            123456,
```

```
            10000.0, false);
```

```
        Account c = new Account ("John Milla",
```

```
            938462,
```

```
            20000.0,
```

```
            500.0, 50.0 true);
```

```
        sopln ("Savings Acc. :")
```

```
        s.displayBal ();
```

```
        s.dep ();
```

```
        s.displayBal ();
```

```
        s.withdraw ();
```



```

3. displayBal();
c. withdraw();
5. displayBal();
sop in C (Current Acc);
C. displayBal();
C. dep();
C. displayBal();
C. withdraw();
C. displayBal();
C. check();
C. displayBal();

```

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2

O/P

Savings Acc:

Balance : 10000.0

Enter amt to be deposited

20000

Balance 12000.0

Enter rate

8

Balance : 12960.0

Enter amt to be withdrawn

296

Balance : 12000.0

Current acc

Balance : 20000.0

Enter amt to be deposited

0

Balance : 20000.0

Enter amt to be withdrawn: 1600

Balance: 28400.00

Service charges applied

Balance: 28350.00

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