

```
1
2 public class Patient {
3     private int ID_number;
4     private int age;
5     private BloodData blood_data;
6
7     Patient() {
8         ID_number = 0;
9         age = 0;
10        blood_data = new BloodData();
11    }
12
13    Patient(int IDf, int agef, char Rh, String bloodf) {
14        ID_number = IDf;
15        age = agef;
16        blood_data = new BloodData(bloodf, Rh);
17    }
18
19    int getID() { return ID_number; }
20    int getAge() { return age; }
21    void displayBlood() { System.out.println(blood_data.getBlood()); }
22
23    public class BloodData {
24        private String blood_type;
25        private char RhFactor;
26
27        BloodData() {
28            blood_type = "O";
29            RhFactor = '+';
30        }
31
32        BloodData(String bloodf, char Rh) {
33            blood_type = bloodf;
34            RhFactor = Rh;
35        }
36
37        String getBlood() {
38            return "Blood Type: " + blood_type + RhFactor;
39        }
40    }
41 }
```

```

1
2 public class PatientInfo {
3
4     public static void main(String[] args) {
5         Patient Timmy = new Patient();
6         System.out.println("Patient ID: " + Timmy.getID() +
7             "\nPatientAge: " + Timmy.getAge());
8         Timmy.displayBlood();
9
10        Patient Spike = new Patient(1337, 19, '-', "AB");
11        System.out.println("PatientID: " + Spike.getID() +
12            "\nPatient Age: " + Spike.getAge());
13        Spike.displayBlood();
14    }
15
16 }
17

```

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Patient ID: 0
PatientAge: 0
Blood Type: O+
PatientID: 1337
Patient Age: 19
Blood Type: AB-

```