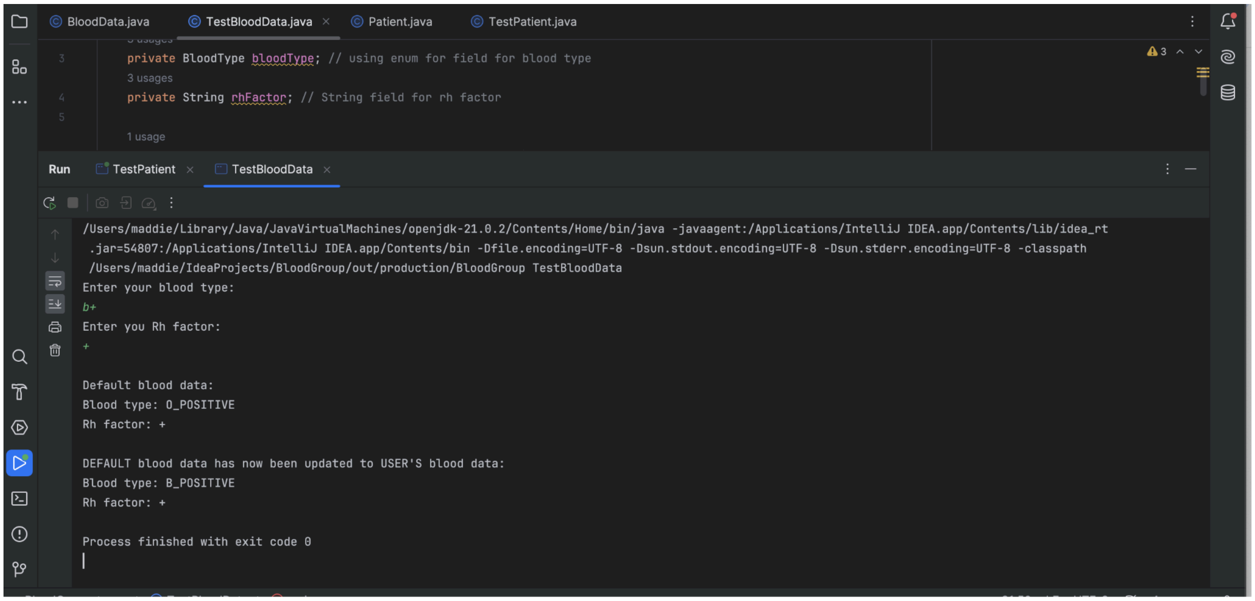
TestBloodData.java

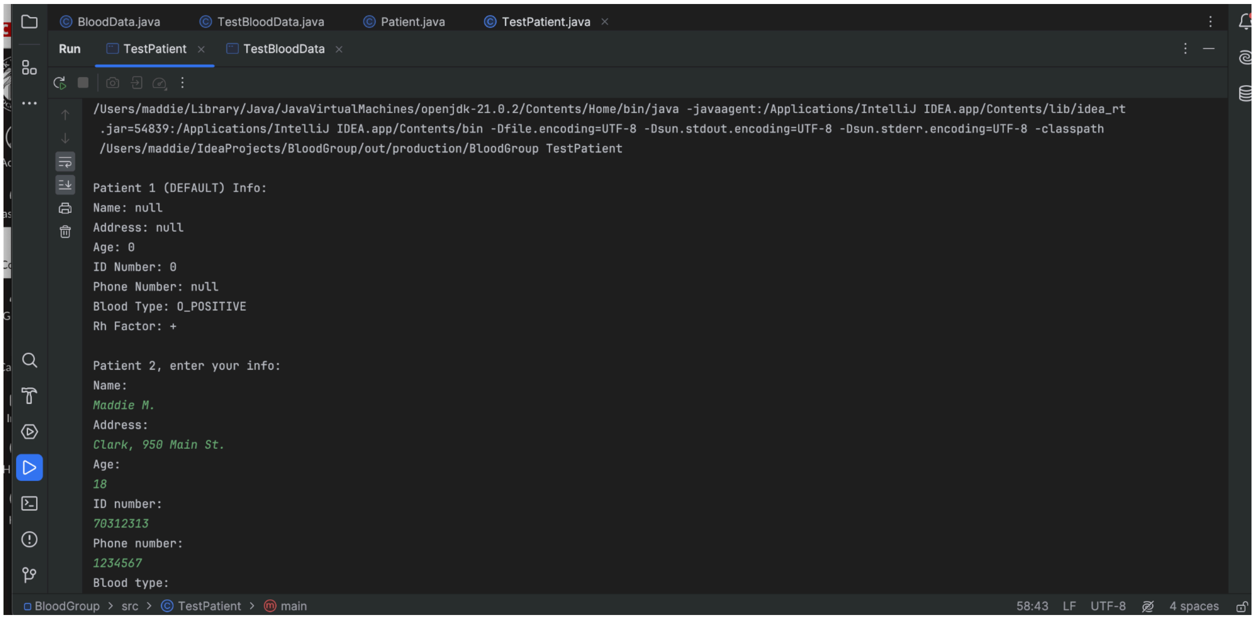


```java
private BloodType bloodType; // using enum for field for blood type
private String rhFactor; // String field for rh factor
```

```
/Users/maddie/Library/Java/JavaVirtualMachines/openjdk-21.0.2/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA.app/Contents/lib/idea_rt
 .jar=54807:/Applications/IntelliJ IDEA.app/Contents/bin -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath
 /Users/maddie/IdeaProjects/BloodGroup/out/production/BloodGroup TestBloodData
Enter your blood type:
b+
Enter you Rh factor:
+

Default blood data:
Blood type: O_POSITIVE
Rh factor: +

DEFAULT blood data has now been updated to USER'S blood data:
Blood type: B_POSITIVE
Rh factor: +

Process finished with exit code 0
```

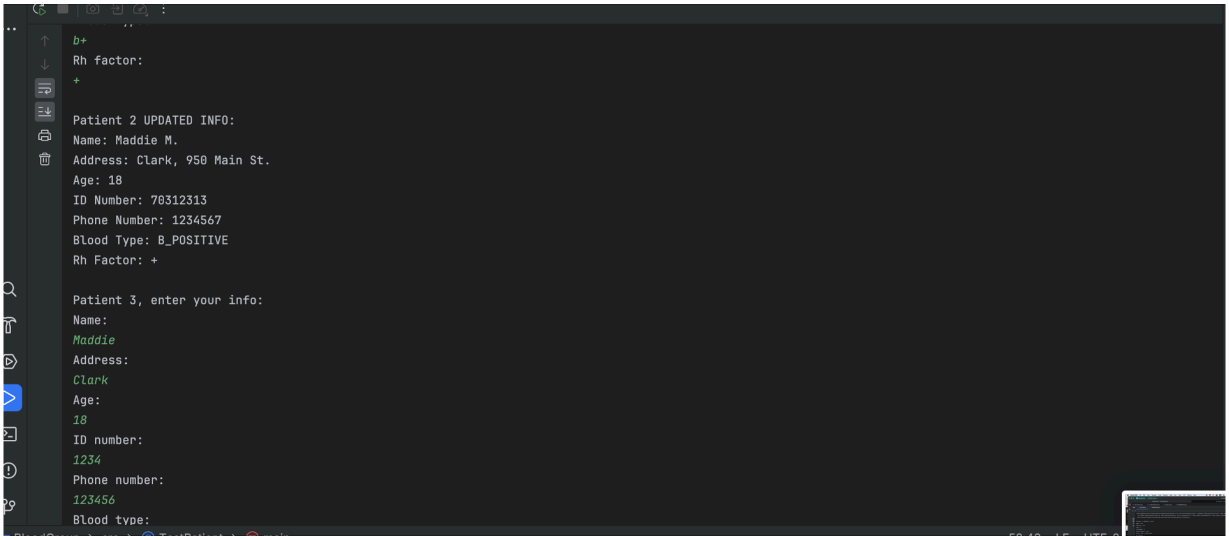
TestPatient.java

1. Patient 1 has default info



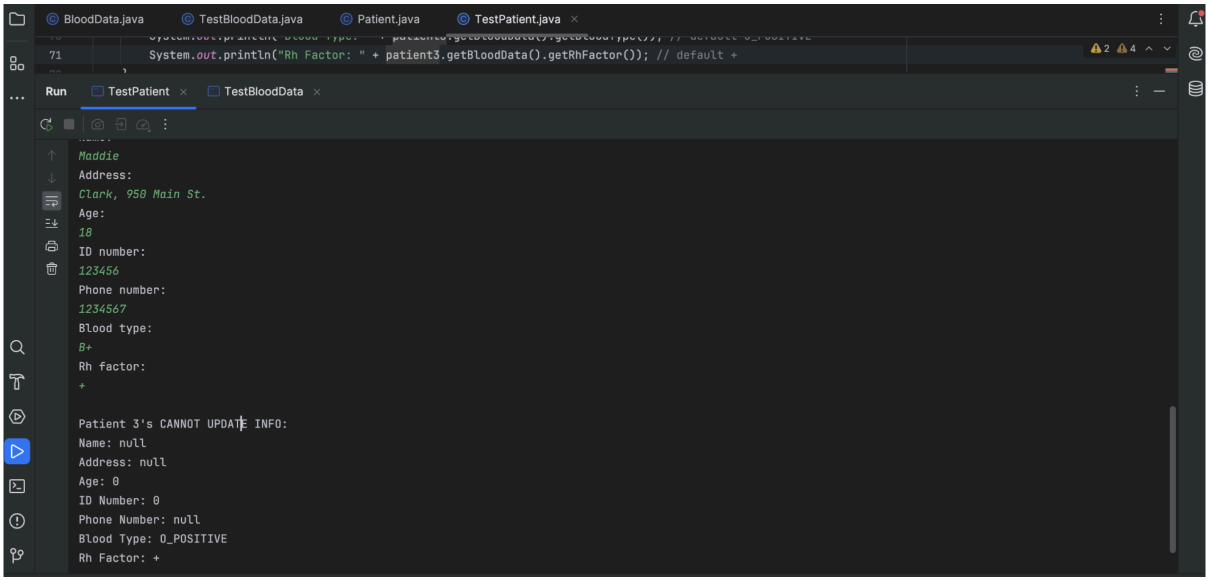
```
/Users/maddie/Library/Java/JavaVirtualMachines/openjdk-21.0.2/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA.app/Contents/lib/idea_rt
 .jar=54839:/Applications/IntelliJ IDEA.app/Contents/bin -Dfile.encoding=UTF-8 -Dsun.stdout.encoding=UTF-8 -Dsun.stderr.encoding=UTF-8 -classpath
 /Users/maddie/IdeaProjects/BloodGroup/out/production/BloodGroup TestPatient

Patient 1 (DEFAULT) Info:
Name: null
Address: null
Age: 0
ID Number: 0
Phone Number: null
Blood Type: O_POSITIVE
Rh Factor: +

Patient 2, enter your info:
Name:
Maddie M.
Address:
Clark, 950 Main St.
Age:
18
ID number:
70312313
Phone number:
1234567
Blood type:
```

2. Patient 2 prompts & prints entered info



```
b+
Rh factor:
+

Patient 2 UPDATED INFO:
Name: Maddie M.
Address: Clark, 950 Main St.
Age: 18
ID Number: 70312313
Phone Number: 1234567
Blood Type: B_POSITIVE
Rh Factor: +

Patient 3, enter your info:
Name:
Maddie
Address:
Clark
Age:
18
ID number:
1234
Phone number:
123456
Blood type:
```

3. Patient 3 prompts & prints default info



```
        System.out.println("Rh Factor: " + patient3.getBloodData().getRhFactor()); // default +
```

```
Maddie
Address:
Clark, 950 Main St.
Age:
18
ID number:
123456
Phone number:
1234567
Blood type:
B+
Rh factor:
+

Patient 3's CANNOT UPDATE INFO:
Name: null
Address: null
Age: 0
ID Number: 0
Phone Number: null
Blood Type: O_POSITIVE
Rh Factor: +
```

CODE CREATIVITY:

- Allows user to input more information about themselves than just ID number, age, & blood data

USER CREATIVITY:

- Allows users to input their blood types as either “b+” or “B+” for example; either way, the enum constant “B_POSITIVE” will be returned
- Clearer formatting; spaced things out more to make it clear what was user inputted and what was actually “stored” and like “updated” in the program (especially for Patient 3; program clarifies that patient 3’s info cannot be updated despite user inputting info for patient 3)
- In TestBloodData.java, lets user know that their default info has been changed to their personal info