
Problem 1

Define classes from the program below:

```
public class Test {
    public static void main(String[] args) {
        Patient[] patients = {
            new IllHead("Johnny"),
            new IllLeg("Eddy"),
            new IllDyspepsia("Manny")
        };
        for (Patient p : patients) {
            System.out.println("Patient:  " +
                               p.name() + '\n' + "Illness:  " +
                               p.illness() + '\n' + "Treatment: " +
                               p.treatment() + "\n\n");
        }
    }
}
```

in such a way that it produces the following output:

```
Patient:  Johnny
Illness:  head
Treatment: aspirin

Patient:  Edddy
Illness:  leg
Treatment: plaster

Patient:  Manny
Illness:  dyspepsia
Treatment: coal
```

NOTES:

- methods **illness()** and **treatment()** should be polymorphic;
 - class **Test** must not be modified.
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