

Fields and methods in enum → Planets of the solar system

Medium

2 minutes

213 users solved this problem. Latest completion was about 12 hours ago.

There is an enum involving several planets of the solar system.

```
1 public enum Planet {
2
3     VENUS    (4.869e+24, 6.0518e+6),
4     EARTH    (5.976e+24, 6.37814e+6),
5     MARS     (6.421e+23, 3.3972e+6),
6     JUPITER  (1.9e+27,   7.1492e+7),
7     SATURN   (5.688e+26, 6.0268e+7),
8     URANUS   (8.686e+25, 2.5559e+7);
9
10
11     private final double m; // mass in kilograms
12
13     private final double r; // radius in meters
14
15
16     Planet(double mass, double radius) {
17
18         this.m = mass;
19
20         this.r = radius;
21
22     }
23
24     public double mass() { return m; }
25
26
27     public double radius() { return r; }
28
29 }
```

Hint

Which of the planets will be printed by the code below?

```
1 for (Planet planet : Planet.values()) {
2     if (planet.mass() > 5.0e+24 && planet.radius() > 6.0e+7) {
3         System.out.println(planet);
4     }
5 }
```

Report a typo

Select one or more options from the list

- ☒ JUPITER
- ☐ MARS
- ☐ EARTH
- ☐ VENUS
- ☐ URANUS
- ☒ SATURN

✓ Correct.

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