

Do Now: Debugging Warm Up!

Here is a `GeoLocation` class that represents the latitude / longitude of a location as a point:

```
public class GeoLocation
{
    private double latitude;
    private double longitude;

    public GeoLocation(double lat, double lon)
    {
        latitude = lat;
        longitude = lon;
    }

    public String getCoords()
    {
        String coords = "(" + latitude + ", " + longitude + ")";
        return coords;
    }

    public void printCoords()
    {
        String coords = getCoords();
        System.out.println(coords);
    }
}
```

Raphael created a `GeoRunner` class as a client that uses the `GeoLocation` class. In the main method of his runner class, he wrote the following code to create a `GeoLocation` object then print out its coordinates, as shown below:

```
public class GeoRunner
{
    public static void main(String[] args)
    {
        GeoLocation geo = new GeoLocation(14.0, 15.0);
        System.out.println(geo.printCoords());
    }
}
```

Raphael *expects* that the printed output will be

(14.0, 15.0)

But his code does not produce the expected result! **He needs your help to debug his code!**

2. Create a new IntelliJ project (LASTNAMEU2T6Lab, which you will also use for today's lab). **Copy/paste** the code for the two classes above into your IntelliJ project.

3. Try to execute the `GeoRunner` client code to see what actually happens.

4. Work with your partner to find **TWO** different ways to fix this problem that do **NOT** involve altering the code of `GeoLocation` class (*only* alter Raphael's code in the `GeoRunner` class).

Copy/paste your *two* different fixes as your answer to the Do Now question! Just copy/paste the line(s) of code you changed (not the entire runner class)

Label your two solutions (a) and (b)

