Programming Assignment Quiz (Do programming assignment FIRST)



7/7 questions correct

Quiz passed!

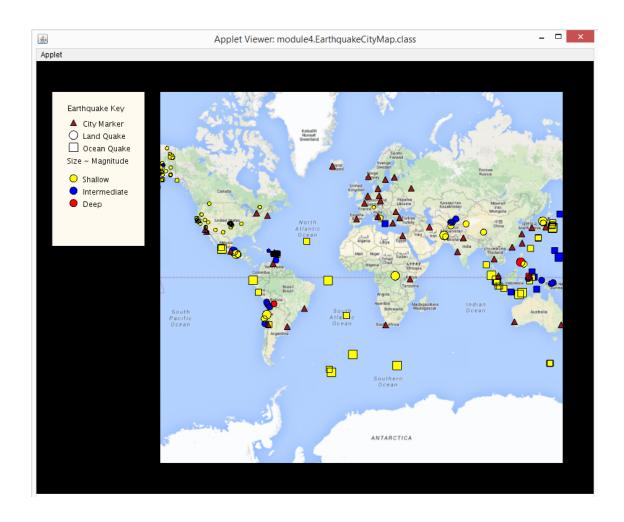
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Does your earthquake map display earthquakes, cities and the key, as described through the end of step 9, as shown in this screenshot?



0	Yes				
Well done! Great work! You've successfully completed the GUI component of the module 4 programming assignment.					
0	No				
~	2.				
	you first ran the starter code for the programming assignment, why didn't it display any quake markers on the map?				
0	There was no draw() method implemented in the EarthquakeMarker class				
0	The EarthquarkeMarker objects had not yet been created				
0	The Marker objects had not yet been added to the map				
0	The drawEarthquake method was not fully implemented in the OceanQuakeMarker and LandQuakeMarker classes.				
This calle	Il done! s is the correct response. draw() was fully implemented in the EarthquakeMarker class, but it led the method drawEarthquake, which had to be implemented in the subclasses dQuakeMarker and OceanQuakeMarker.				
Which	3. of the following is/are true about the classes used in this programming assignment (SELECT ALL APPLY)?				
The method call drawEarthquake(pg, x, y);					
This eith	Il done! s is an incorrect response. This method call will call the drawEarthquake method defined in er OceanQuakeMarker or LandQuakeMarker, depending on what actual object draw() is ed on.				
	The method colorDetermine, which is defined in the EarthquakeMarker class, is what determines the color of both OceanQuakeMarkers and LandQuakeMarkers.				

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Well done! This is a correct response. This method is called from EarthquakeMarker's draw() method, and sets the fill color for when drawEarthquake is called.
EarthquakeMarker objects cannot be instantiated using "new".
Well done! This is a correct response. EarthquakeMarker is an abstract class, which means it cannot be instantiated.
CityMarker is the parent class of EarthquakeMarker
Well done! This is an incorrect response. SimplePointMarker is the parent class of both CityMarker and EarthquakeMarker.
The call
<pre>super(location);</pre>
in the CityMarker's constructor calls the constructor of SimplePointMarker
This is a correct response. SimplePointMarker is the superclass of CityMarker. 4. Given the UML class hierarchy you created in step 6 of your programming assignment, which of the following assignment statements WILL NOT cause an error (SELECT ALL THAT APPLY). Assume all of the proper import statements are included at the top of the file.
// Assume the variable feature stores a PointFeature object Marker m = new OceanQuakeMarker(feature);
Well done! This is fine because all OceanQuakeMarkers are Markers (EarthquakeMarker is the parent of OceanQuakeMarker, SimplePointMarker is the parent of EarthquakeMarker, AbstractMarker is the parent of EarthquakeMarker, and Marker is an interface implemented by AbstractMarker).
// Assume the variable feature stores a PointFeature object EarthquakeMarker em = new OceanQuakeMarker(feature);
Well done! All OceanQuakeMarkers are EarthquakeMarkers.

	<pre>// Assume the variable feature stores a PointFeature object SimplePointMarker pm = new OceanQuakeMarker(feature); EarthquakeMarker em = pm;</pre>
The poin	I done! first line is fine. But the second line will not work without a cast. Even though the object ited to by pm is actually an OceanQuakeMarker, which is always an EarthquakeMarker, java gets" about that. To fix the problem, you can change the second line to:
Ear	rthquakeMarker em = (EarthquakeMarker)pm;
	<pre>// Assume the variable loc stores a Location object Object o = new SimplePointMarker(loc);</pre>
	l done! is fine because all objects are of type Object.
	SimplePointMarker m = new Marker();
Ther	l done! re are two problems with this code. First, Marker is an interface, and cannot be instantiated. ond, not all Markers are SimplePointMarkers.
	<pre>// Assume the variable loc stores a Location object EarthQuakeMarker em = new SimplePointMarker(loc);</pre>
	l done! will cause an error because not all SimplePointMarkers are EarthquakeMarkers.
-	our program using the file "quiz1.atom" as the input earthquakesURL. There is a line of code that n uncomment in setUp that will do this, labeled "uncomment this line to take the quiz".
How m	nany earthquakes were reported in China?
0	None
0	3
0	4

Well done! This is the correct answer.						
0	10					
~	6.					
Run your program using the file "quiz1.atom" as the input earthquakesURL. There is a line of code that you can uncomment in setup that will do this, labeled "uncomment this line to take the quiz".						
How m	nany earthquakes were reported to have occurred in the ocean?					
0	30					
0	74					
0	192					
0	200					
Wel	l done!					
0	309					
Include spent of assign						
4~5	hours					
	Il done! nk you for your response.					