

Practice Final Questions:

***Disclaimer: I have not seen the test and don't know what's on it. These are to help you review some key topics but is not an end all be all study guide for the final.*

What are these Keywords (ideas); how are they used; and what do they do?

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|---------------------|---|
| a. Static | l. ActionListener |
| b. Public | m. mouseListener |
| c. Private | n. JAR |
| d. Main | o. IDE |
| e. Void | p. UML |
| f. Extends | q. Index (how does Java index, what is a spatial index) |
| g. Implements | r. Visibility |
| h. This | s. OGC |
| i. Throws | t. Node / way / OSM |
| j. Method Signature | u. super |
| k. MVC | |

1. How do you instantiate a variable?
2. How do you assign values to a variable?
3. What are the differences between a global and local variable? (think JButton?)
4. What is the difference between a JFrame and JPanel?
5. What is a listener?
6. What is the importance of 'repaint'?
7. How are listeners most often connected to GUIs?
8. How does Java Swing Fit into the MVC paradigm?
 - a. (What are the key methods of Swing)
9. How does JMapView Fit into the MVC paradigm?
10. How did Tron fit within the MVC paradigm?
11. How did our Tiny GIS (POI and Path mode) fit into the MVC paradigm?
12. What does it mean to serialize an object?
13. What must you do to serialize an object?
14. What is a file separator ('', '/t', '/n')
15. What does CSV stand for?
16. What is a FileReader? BufferedReader? BufferedImageReader?
17. What does it mean to delegate a method?
18. What is a try-catch block?
19. What is a 'run-time' vs 'compile-time' error?
20. What is a collection?
21. What is an ArrayList? How does it differ from a LinkedList?

Good Luck!!