**Homework Assignment #2, CSC142, Spring 2018**

1. Which of the following are legal Java identifiers?
2. 4Bfort$
3. B\_Fort$
4. $\_4
5. B-b34
6. For Honor
7. What is the Java convention for capitalizing an identifier if:
8. It is a class name
9. It is an object name
10. It is a method name
11. It is a package name
12. It is a constant name
13. How many objects can be created from a class? Is there a limit?
14. Can you include comment markers inside another comment? Show one situation where you cannot.
15. What is the difference between a .java source file and a .class bytecode file?
16. Which of these names violate the naming convention (capitalization) for object names?
17. ThisIsOkay
18. notOkay
19. ReallyOk
20. notSoMuchOk
21. java
22. savingsAccount
23. Show a state-of-memory diagram after the following statements are executed:

JFrame window1;

Resident res1, res2;

window1 = new JFrame;

res1 = new Resident();

res2 = new Resident();

res1 = res2;

1. What method must be included in any standalone java application?
2. For each expression, determine its result. Assume you have a string named str as below:

String str = “EenyMeenyMineyMoe”;

1. str.substring(0,6);
2. str.length();
3. str.indexOf(“ee”);
4. str.indexOf(“e”);
5. str.substring(8, str.length()-1);