Tutorial 7

These questions refer to the lectures presented in week 7 of Object Oriented Programming with Java. They will be covered during the tutorial during week 8.

Exceptions

1. Why is it a bad idea to return a value when a function fails due to an unexpected occurrence?
2. Why is is difficult to get information from exceptions?
3. What is the difference between an exception and an error?
4. What is static checking? How does it help reduce exceptions?
5. What is the difference between a recoverable and unrecoverable error?
6. What is the superclass of errors and exceptions?
7. What happens by default when an exception is thrown and it is not caught by a method in the call stack?
8. How do you catch an exception?
9. Write a JUnit test that will catch an exception.

Defining Exceptions

10. How do you put a class in a package?
11. List some common exceptions.
12. What does the finally clause do? Why is it useful?
13. How are exceptions matched in when multiple catch clauses could match?
14. Write a JUnit test that will fail if an expected exception does not occur.
15. How can you catch all exceptions a block might throw with one catch?
16. Can you add exception when you override a method?

User Defined Exceptions

17. How do you define a new exception?
18. What are the four things you can tell an exception when you create it?
19. What is the message in an exception? How do you access it?
20. What is the cause in an exception? How do you access it?