Research Week 5
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2. What is the relationship between a Class and an Object? A class is considered a template for objects. A class defines properties including a valid range of values and a default value. A class will also explain object behavior. An object is a member or an instance of a particular class.

3. What is an exception and what are best practices for handling them?

An event that happens during the execution of a program that disrupts the normal fow of the programs instructions. When the "exception" happens within a method, the method will create an object and hanad it off to the runtime system. Some best practices to avoid exceptions from happening are being careful what you log, dont bury thrown exceptions, use a global exception handler, do not close resources manually, throw early and handle exceptions late, don't log and rethrow java exceptions, check for suppressed exceptions.

Sources:

https://www.ncl.ucar.edu/Document/HLUs/User_Guide/classes/classoview.shtml

https://caml.inria.fr/pub/docs/oreilly-book/html/book-ora140.html#:~:text=an%20object%2020is%20an%20element,created%20and%20how%20they%20behave.