CSE 6331   Cloud Computing
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Programming Assignment 2
Introduction to Google App Engine (and Databases)
Due: June 16, 2015, 04:00 (UTA time)

It would be valuable to know if earthquakes of magnitude greater than
2, 3, 4, and 5 have been more frequent (or less frequent) in the
last 30 days.

Description:

1. (You already have access to Google cloud..)
2. Go http://earthquake.usgs.gov/earthquakes/feed/v1.0/csv.php
   (all quakes last 30 days)
3. Copy that file to Google, and time (instrument) how much time it takes.
4. Put the data into a Relational DB. (time)
5. Write the code necessary to determine the number of earthquakes for each
   week, for magnitudes 2, 3, 4, and 5 (or greater)
6. Put your results: (a) code and (b) the timings, and explanation
   in a document.
7. If you use ANY source: web site, book, code, article – you MUST put comments
   in the code and document of (exactly) what parts of the code should be
   attributed to which author (who wrote it, when, etc.).
8. Please submit your results (text, html, or doc file, a few pages), and all
   code and Configuration files, but NOT executables, binaries
   or raw data files.

**Regardless of the number of people in your "team", you will need to understand
the implementation and results of this assignment.**

You may work alone, or in groups of three, but you must individually be able
to understand and use your program code.

**Please, submit this assignment to UTA Blackboard, IF unavailable you may Email
ONLY to the class account. All work must be your own.**
You must e-mail this lab, working (or partially) by the due date. The e-mail
subject should clearly state the lab number.
You may (optionally) demonstrate this lab, working (or partially) to the
GTA before the due date.
Your program should be well commented and documented, make sure the first
few lines of your program contain your name, this course number, and the
lab number.
Your comments should reflect your design and issues in your implementation.
Your design and implementation should address error conditions.

Programming Assignment 3 (Preview)
Due: June 19, 02:00 (UTA time)

     Using Google App Engine and assignment 2, you will put a Web interface allowing
users (of that web interface) to create queries for magnitude or location on this data set.

You may ask for "hints" in class.