> "Geographies," said the geographer, "are the books which, of all books, are most concerned with matters of consequence. They never become old-fashioned. It is very rarely that a mountain changes its position. It is very rarely that an ocean empties itself of its waters. We write of eternal things."
>
> The Little Prince, Chapter 15.

1 Earth (♡ 50 points)

In this question, you will experiment with a *toolbox*: Google Earth Toolbox, which is available at MatlabCentral File Exchange. It can be used to draw on Earth. You need Google Earth installed on your system along with MATLAB or Octave. Inspect the tutorial and demos.

(a) Draw a pumpkin on top of McGraw Tower.

(b) Engrave 'Cookie Monster was here!' to an interesting destination on Earth.

You should upload two files *pumpkin.m* and *cookie.m* to the CMS.

2 Explore (♡ 50 points)

2.1 MATLAB Demos

Matlab has many toolboxes. Each toolbox contains demonstrations which you can run in order to understand its capabilities and usage. You can find Toolbox Demos using Matlab Start button.

Please take a look around to see what they are used for. Don't get confused with the math involved. You can read the documentation about the demos, open their M-files, and run them. Could you write down a couple of demos you looked at and found interesting? Write them in a file called *demos.txt*.

You should upload that file to the CMS.

2.2 Moler's Book

Have you checked the link for *Experiments with MATLAB*? It is available at http://www.mathworks.com/moler/exm/chapters.html

Select one of the chapters you want to read, and read as much as you can. Could you solve one of the problems provided at the end of that chapter? Write a script and provide which chapter and exercise it belongs to at the top of the file in comment lines.

You should upload a file *moler.m* to the CMS.

If you have more files, you can zip them and upload it as *extra_files.zip*.