

You should do all the work yourself, without any assistance from other people. If you need help, post your question to *cornell.class.cs114* newsgroup or if you want to keep your question private, e-mail me at *cs114@cs.cornell.edu*.

I will not accept late submissions.

Setup

1. Create a subdirectory `cs114-HW4` in your home directory. Make sure you are the only one who has any kind of access permissions to it.
2. Create a file named `glookup` in your `cs114-HW4` directory.

A simple script

This homework simply asks you to write a bash shell script putting together some of the things you did on the last homework.

1. Write a bash shell script in `glookup` that takes a single argument on the command line, performs a google search on that argument, and returns to standard output the number of hits the search returned.

To perform a google search, you can use `lynx`, a web browser that has some interesting command line capabilities. You will want something like the following:

```
lynx -dump -source "http://www.google.com/search?pq=q&q=foobar"
```

That line looks up the given URL, in this case, google, asking it to search for `foobar`, and sends to standard output the HTML source of the page. That's the kind of page you searched in homework 3, pages like `file1.html`, `file2.html`, etc.

The idea is that your script will use a line like the one above to perform a google search, and then search the result using essentially what you wrote in homework 3 to get the number of hits. Here's some sample output:

```
babbage$ cs114-HW3/glookup foobar
154,000
babbage$ cs114-HW3/glookup Riccardo
494,000
babbage$ cs114-HW3/glookup cs114
3,080
```

To submit your HW, run `~cs114/bin/submit-hw4`. The script will work as many times as you run it, but **you will only receive credit for your first submission**. If something goes wrong, please let me know ASAP.