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## CNT 4104 Assignment #1 - 2014

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Based on the timeClient program in C, available from Module #6 (on sockets) and shown on the viewgraphs page, write a similar client in C or C++, which:

- requests time from one of the `nist.gov` servers, and
- requests time from one other host (but not from the `nist.gov` domain), and
- displays both times as well as the difference between them.

Note 1. Pick the second host such that its time is not very well synchronized, so you could see the difference. The list of servers is available from

`http://tf.nist.gov/tf-cgi/servers.cgi`

Note 2. You can complete this assignment in one of two ways:

- 1) using your own laptop to show me a demo with code submission via email, or
- 2) using an account I created for you on the `sanibel.cs.fgcu.edu` server; for this, you need to know how to compile C/C++ programs under Linux; if you forgot, one can compile sample programs, `sample.c` or `sample.cpp`, as follows:

```
$ gcc -o sample sample.c      #This is for C
$ g++ -o sample sample.cpp    #This is for C++
```

As a result, an executable file named `sample` is generated, which you can run as a command:

```
$ sample
```

or

```
$ ./sample
```

Note 3. Instructions how one can deal with strings in C/C++ are placed in the file:

`http://itech.fgcu.edu/faculty/zalewski/CNT4104/TimeStrings.doc`

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- **Form of submission:** source file named `timeClient1` (with respective extension) emailed to Instructor at `zalewskiapps@gmail.com` (with subject line: CNT 4104 Assignment #1) plus a demo at the time agreed upon with Instructor (either on a laptop or on `sanibel.cs.fgcu.edu`)
  - **Deadline:** As soon as you are ready, but no later than Friday, October 10
  - **Grade:** Max 8 pts
  - **Tardiness:** 2 pts per day, if submitted or demoed after October 10
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