# Assignment: 08 - Sockets

Bucket: 3 - In-Class

Due Date: 2016-03-19

Grading Hidden? no

Teams? no

**Description:**

Start with the sample code here: https://github.com/NatTuck/sample-http (https://github.com/NatTuck/sample-http)

Modify it into a prime checker tool that works as follows:

- You start up N server processes with a script called as "./start N".
- Each server process is started with a single integer X as a parameter.
- When a server starts up, it listens on port 10000 + X for connections.
- When a server gets a connection, it listens for a number Y and checks if Y is divisible by X. If so, it sends back X. Otherwise, it connects to port 10000 + X + 1, sends on Y, waits for a response, and then sends back that response.
- The client takes a number as an argument, sends that number as a query to port 10002, and prints the response (e.g. the first integer >1 that divides the number) as well as "prime" if the number is prime or "not prime" if not.

**Assignment Download:** ()

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Course Page (http://www.ccs.neu.edu/home/ntuck/courses/2016/01/cs6240/index.html) | Piazza (https://piazza.com/class/ij4yepvnz8v3zf)



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