Minimal GET Request

- Begin by establishing a TCP connection to the server
  
et
  net www.spec.gmu.edu 80

- Once connection is established, send request
  
  GET /~pparis/classes/ece465.html HTTP/1.1
  Host: www.spec.gmu.edu

- Note, requests ends with empty line
HTTP/1.1 200 OK
Date: Thu, 15 Feb 2007 14:57:36 GMT
Server: Apache
Last-Modified: Tue, 06 Feb 2007 14:46:09 GMT
ETag: "5f709-1236-ded9ce40"
Accept-Ranges: bytes
Content-Length: 4662
Content-Type: text/html

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2//EN">
....
A POST request transmits information to the server.
The information is sent in the body of the request.
To signal the presence of a body, the Content-Length header is required.
After connecting (as before) issue the following request. Note the empty line between header and body.

POST /~pparis/cgi-bin/test.cgi HTTP/1.1
Host: www.spec.gmu.edu
Content-Length: 10

name=Bubba
HTTP/1.1 200 OK
Date: Thu, 15 Feb 2007 15:06:17 GMT
Server: Apache
Content-Length: 393
Content-Type: text/html; charset=ISO-8859-1

<!DOCTYPE html
    PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
    "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en-US" xml:lang="en-US">
<head>
<title>ECE 465 Form Example</title>
<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
</head>
<body>
<h1>ECE 465 Form Example</h1>Hello <em>Bubba</em>! <p /></hr>
Chunked Encoding provides an alternative to specifying the content length.

Useful when content length is not known immediately.

POST /~pparis/cgi-bin/test.cgi HTTP/1.1
Host: www.spec.gmu.edu
Transfer-Encoding: chunked

5
name=
5
Bubba
0

Two chunks of size 5 bytes are sent. End of body is signaled by chunk of size 0.

Caveat: this doesn’t work quite right.