

First CGI Program

Topics:

Get an environment variable - getenv (QUERY_STRING)

Parse QueryString

Minimal HTML

Input tags

What should your program do?

See: <http://taz.harding.edu/~dsteil/cgi-bin/add>

Your program should have the same functionality as mine. The first time it loads there will not be an answer to the addition problem. Once you type a number in each text input then click "Go" the page will be reloaded and the sum of the numbers should appear.

You can copy the HTML for your program from the page I have provided. Just navigate to <http://taz.harding.edu/~dsteil/cgi-bin/add>, right click on the page and choose "view source". Or copy the HTML from below.

```
<html><body><form method='get'>
<font color='red'><h1>Addition Page</h1></font>
<input type='text' name='lValue' />
<input type='text' name='rValue' />
<input type='submit' value='Go' />
</form></body></html>
```

After the page is submitted with a query string that contains the 2 numbers to add together the HTML should look like this.

```
<html><body><form method='get'>
<font color='red'><h1>Addition Page</h1></font>
<input type='text' name='lValue' />
<input type='text' name='rValue' />
<input type='submit' value='Go' />
<H3>3</H3>
</form></body></html>
```

How to start:

Start with the code for the random program at <http://taz.harding.edu/~dsteil/random.cpp>

Your program will have a 'get' instead of a 'post' so you will need to `getenv("QUERY_STRING")` instead of `getenv("CONTENT_LENGTH")`; like in <http://taz.harding.edu/~dsteil/hi.cpp>