[UAB](http://main.uab.edu/) -> [ENG](http://www.eng.uab.edu/) -> [ [ECE](http://www.uab.edu/engineering/departments-research/ece) / [ECE Intranet](http://www-ece.eng.uab.edu/) ] -> [ [DGreen](http://www-ece.eng.uab.edu/DGreen/redirect/dgreen-internet.html) / [DGreen Intranet](http://www-ece.eng.uab.edu/DGreen/) ] -> [EE447](http://www-ece.eng.uab.edu/dgreen/ee447/) -> HW3

**EE447/547 HW3 - Spring 2012**

**Simple CGI calculator**

Create a prototype application that will perform the binary operation add, subtract, divide, multiply, and modulus (remainder) between an item in the Y text box and the X text box. An example calculation with y = 10 and x = 3, is to return 1 as the answer if modulus is requested. You are constrained to write one Ruby CGI script to do these calculations. Provide an answer in a form so that the answer is in Y box ready for another X to be entered to continue the calculation. All pages should be valid for the version of the validator that your web page declares itself.

**Hints**

1. Remember to supply the CGI headers
2. Remember the server is Linux (with its line endings) not Windows
3. Remember the course note have details about installing and running code on the server as well as some “typical” problems.
4. There is an example building on the example in the notes:  
   [http://eceserv4.eng.uab.edu/~dgreen/add3.html](http://eceserv4.eng.uab.edu/%7Edgreen/add3.html) which adds three numbers, display the results so that another sum can be done.

**Visible Code Listings**

You should add links to copies of your source on the initial data entry screen. Your source code should be viewable in the browser WITHOUT the need to download it first.

**Submission**

As previously, when you have completed the assignment, submit the URL of the data collection form as HW3 in BlackBoard Vista. Be sure that either this page has links to all the required pages (except the page that occurs as a response to hitting a submit button.)

* Use the “Assignments” tool that can be accessed clicking on “More Tools” in the upper right of the class page of BlackBoard Vista.
* Submit the url of your assignment as text in the message part of grading assignment being sure to 1) include http:// in front of the URL (to make it a URL) and 2) check that this URL is a correct URL.
* The assignment is due at the start of class on the date noted on the syllabus. An automatic extension to 11:59pm of the same day is available by attending class and signing the roll on that day.
* The web pages must not be modified after they are submitted for grading.

*Web Page:* http://www-ece.eng.uab.edu/DGreen/ee447/hw3.html [.](http://validator.w3.org/check?uri=referer)  
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