

The **calc** lab is to create a very simple calculator using CGI. This lab can be checked off in class on certain days, or can be checked by a tutor in the CS lab (generally Mon-Thu 3pm-11pm, Fri 3pm-8pm, Sat 3pm-6pm). If signed off by a tutor, they should provide their signature and the date. You must also provide your name and signature on the sheet.

This assignment is due Wednesday, 25 Feb 2004, but late work is also accepted for reduced credit. The amount of credit earned is based on the date given by the tutor's signature.

## Task

Build a CGI-based calculator program. The program should accept two numbers and four operations (plus, minus, times, divide). Optionally you can include additional features which are not graded. At a minimum, the calculator must do the following:

1. When invoked from the URL line, it should present a screen with two blanks for input numbers and four buttons (plus, minus, times, and divide). The number blanks must be initially blank.
  - 1a. The buttons and blanks can be labeled in any way that makes sense to you, but it should be obvious which button does which operation.
2. When a button is pressed, the numbers from the blanks should be combined in the way expected, and the results displayed. When the screen is redrawn, the numbers should remain in their blanks. The screen should appear to change as little as possible.
3. Divide by zero should be caught and prevented with an error message in RED instead of providing a result.

Student: please print your name in the blank below, and sign the statement on the next line.

Student: \_\_\_\_\_

I certify that this lab is my own work.

Signature: \_\_\_\_\_

Tutor: please verify that steps 1, 2, and 3 have been completed, and that the student has written his name and signed the statement. Then sign and date.

Tutor: \_\_\_\_\_ Date: \_\_\_\_\_