**Designing a simple Calculator with JavaScript**

# Tools [download]

* ftp://172.16.16.11/STUDENT/CS\_STUDENT/WebTech%5BA%5D/
* User name: student
* Password: student
* Download : Programmers Notepad – Portable

# Goal(s)

* Designing a simple calculator using HTML and JavaScript.

# What You Should Already Know

Before starting this assignment, you should have the basic knowledge of the followings:

* HTML
* JavaScript

# Academic Honesty

All the work that you do toward the fulfilment of this assignment must be your own unless collaboration is explicitly allowed (e.g., by some problem set or the final project). Viewing or copying another individual's work (even if left by a printer, stored in an executable directory, or accidentally shared in the course's virtual classroom) or lifting material from a book, magazine, website or from other sources, even partially, and presenting it as your own, constitutes academic dishonesty, as does showing or giving your work, even in part, to another student.

Similarly, dual submission academic dishonesty: you may not submit the same or similar work to this course that you have submitted or will submit to another. You should not provide or make available your assignments to individuals who have taken this course or may take this course in the future.

You are welcome to discuss the course's material with others in order to better understand it. You may even discuss problem sets with classmates, but you should not share code. You may also turn to the Web for instruction beyond the course's lectures, for references, and for solutions to technical difficulties, but not for outright solutions to problems on projects. However, failure to cite (as with comments) the origin of any code or technique that you do discover outside of the course's lectures and (even while respecting these constraints) and then integrate into your own work may be considered academic dishonesty.

All forms of academic dishonesty will be dealt very harshly.

# Grades

Your work will be evaluated along the following axes.

**Correctness**: Consistency with the given specifications and free of bugs.

**Design:** Well written code (i.e., clearly, efficiently, elegantly, and/or logically)

**Style:** Readable and modifiable code (commented, aptly named variables etc.)

**CSS is prohibited for this exercise.**

# Calculator HTML Page

An HTML page is used to display information to user. In this case the calculator Interface consisting with HTML Button and TextBox. Additionally you can design the page with HTML tables

# Required Features

* Must add JavaScript Functionality on a separate file.
* Only Implement Addition, subtraction, multiplication and division.
* Must be capable of input Decimal numbers
* Attach “OnClick” event to all the buttons
  + See <http://www.w3schools.com/jsref/dom_obj_event.asp>
* Attach “Keyboard Event” with the “Body” Tag to input with the keyboard
  + See <http://www.w3schools.com/jsref/event_key_key.asp>”
* Calculator must respond
  + with the number keys and the basis operators
  + Left and Right Cursor Keys
  + Backspace and Delete keys
* Calculator must not respond with
  + Any alphabet and other keys of the keyboard
* JavaScript “eval” function is prohibited
  + See <http://www.w3schools.com/jsref/jsref_eval.asp>

# Submission

* Make a zip file
* Upload it to Lab-2(JS-Calculator) under Web Technologies midterm.
* User your ID as zip file name

**Submission Deadline: 15 June, 2016**