

LAB 1

1. Convert the Calculator[servlet version provided in ZIP file] to MVC 2 use 3 JSPs [index.jsp, calculator.jsp, result.jsp]. HINT: index.jsp should forward to “private” calculator.
2. Convert the Starbuck’s project provided [Zip file] to MVC 2 using JSPs.
A good goal is to have three JSP pages with respect to choices; index, advice, display (no JavaScript).
Also update the advice.jsp so that it uses the JSTL forEach for the option list.
3. [Optional]Write an application that generates a random number and compares it to three other randomly generated numbers. There are 3 comparisons:
 - First number is less than “control” number
 - Second Number is greater than “control” number
 - Third Number is equal to the “control” number

If an individual comparison is true, the result is output to the page. If all comparisons fail then all the numbers are output.

The application should reflect an MVC 2 – like architecture...that is a servlet and a JSP.

The comparisons are to be done in the JSP using JSTL logic. In particular, you should use the `<c:choose>` construct. Also, the results are to be color coded and bold:

And the results are:

The number 5 is equal to 5

And the results are:

The number 4 is greater than 2

And the results are:

The number 0 is less than 2

And the results are:

The number 7

is NOT greater than 9

is NOT less than 2

is NOT equal to 4

What to turn in for this lab:

All the projects/code you have for this lab.

IMPORTANT: You only learn from this lab if you do this lab yourself. If you copy a solution from someone else, then this is in violation with the academic honesty policy of the university and the penalty will be a NC for the course.

What to hand in?

You can submit a zip file with your solutions in sakai. All labs that you submit in sakai should contain a **readme.txt** file with the following statement:

I hereby declare that this submission is my own original work and to the best of my knowledge it contains no materials previously published or written by another person.

[your name as signature]

If you do not have this readme.txt file, you don't get credit for your lab submission