**CSCI 245 Project #5**

**(Total possible points: 80)**

**Due: 2:30pm, April 19th, 2018**

**Late submission will result in penalty, please refer to the course syllabus about this.**

Please save your PHP file as Project5.php, then submit to Blackboard.

This project will give you chance to further understand PHP and basic syntax of PHP. You are required to realize a Fibonacci Number Calculator, which can calculate the first 20 Fibonacci numbers, given that the first two Fibonacci numbers are both 1.

About Fibonacci numbers:

In [mathematics](https://en.wikipedia.org/wiki/Mathematics), the Fibonacci numbers or Fibonacci sequence are the numbers in the following [integer sequence](https://en.wikipedia.org/wiki/Integer_sequence):

1,\;1,\;2,\;3,\;5,\;8,\;13,\;21,\;34,\;55,\;89,\;144,\; \ldots\;

By definition, the first two numbers in the Fibonacci sequence are 1 and 1, and each subsequent number is the sum of the previous two.

In mathematical terms, the sequence Fn of Fibonacci numbers is defined by the [recurrence relation](https://en.wikipedia.org/wiki/Recurrence_relation)

F_n = F_{n-1} + F_{n-2},\!\,

with seed values

F_1 = 1,\; F_2 = 1

You will receive full credit for simply achieving the following minimum criteria:

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| 1. Create one PHP file (originally notepad files). 2. After we start a server side Apache, the PHP file can be run and opened by a web browser, as shown in the following picture:     C) Use loop structure of PHP language to calculate the Fibonacci numbers.  D) Use PHP expression blocks (<?=…..?>) to inject the values of position number and Fibonacci number into HTML code mode.  E) Do not use any print statement or echo statement in your PHP file.  F) Name your PHP file as Project5.php, and submit to blackboard.  G) Make sure to test your PHP file using xampp environment by putting the PHP file inside the “htdocs” folder and starting Apache. If more must be supplied, 30 points will automatically be subtracted from your grade. |
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