

# CSC 4370/6370 WEB PROGRAMMING

## Assignment 2– PHP (1)

**Due date: 03/03/2020 (12:30 pm)**

### Instructions:

1. Create a folder named Assignment2 under your public\_html/Assignments and put your code in there and submit the link to icollege– “codd.cs.gsu.edu/~campusid/Assignment2/hw2.php”.
2. If there is no link to the codd server on icollege you would receive a “0”.
3. Your previous In class assignments, assignment 1 and project 1 link must be working from your “codd.cs.gsu.edu/~campusid/index.html” (Assignment 1). You will lose points if they don’t work.
4. Things to submit – Codd Link and your php code.

### PHP Functions and Arrays

Program name Charlie ate my Lunch!

Question 1:

Charlie will eat your lunch exactly 50% of the time. Write a function and name isBitten() that returns TRUE with 50% probability, and FALSE otherwise.

Hint: You may find the rand() function useful.

Below the function, write code to generate a webpage that displays “Charlie ate my lunch!” or “Charlie did not eat my lunch!” using the isBitten() function.

## Question 2:

Please create a PHP program that will incorporate TWO for loops which are nested. This program should populate a “Checker board” using alternating color values are red and black. This checkerboard width = “300px”. Each cell height and width should = “35px”. Border set to = “1px” cell padding = “1px” and cell spacing = “1px” . The output for the question would be a checker board with red and black checks.

**Graduate Students:** Create a text box and take input from the text box and then create the checkerboard. For example, if I input 4, the checkboard should be 4\*4 (16 squares). You are creating a dynamic checker board.

## Question 3:

Program name Arrays and Functions

Consider the following array.

```
$month = array ('January', 'February', 'March', 'April', 'May', 'June', 'July',  
'August','September', 'October', 'November', 'December');
```

Please code in this order

- Write a standard for loop not FOREACH that prints these months in order.
- Use a Function to Sort the months in alphabetical order and print months that are sorted.
- Repeat Steps 1 and 2 use the foreach Statement.

## Question 4:

According to the Trip Advisor, the 10 best Restaurants in Atlanta based up votes for 2016 are as follows:

- Chama Gaucha – Average Cost \$40.50
- Aviva by Kameel – Average Cost \$15.00

- Bone's Restaurant– Average Cost \$65.00
- Umi Sushi Buckhead – Average Cost \$40.50
- Fandangles – Average Cost \$30.00
- Capital Grille – Average Cost \$60.50
- Canoe – Average Cost \$35.50
- One Flew South – Average Cost \$21.00
- Fox Bros. BBQ – Average Cost \$15.00
- South City Kitchen Midtown – Average Cost \$29.00

Define an array (or arrays) that holds this information about Name and Average Cost of the 10 best Restaurants in Atlanta. Print a table of the Restaurants Name and Restaurants Average Cost for all 10 Restaurants. The second part of this program is to write a function to modify your output that prints the result of the table ordered by price and a second function to print the results of the table by name.

#### Question 5

**Undergraduate** - Write a PHP program that computes the total cost of this restaurant meal: two hamburgers at \$4.95 each, one chocolate milk shake at \$1.95, and a cola at 85 cents. The sales tax rate is 7.5% (.075), and you left a pre-tax tip of 16% (.016). Make it dynamic. You can hard-code the costs but not the quantity. Create 3 different text boxes to enter the quantities of hamburgers, chocolate milk and coke. Make it look nice.

**Graduate** – Undergraduate + Modify your solution to the previous exercise to print out a formatted bill. For each item in the meal, print the price, quantity, and total cost. Print the pre-tax food and drink total, the post-tax total, and the total with tax and tip.

The output will be a formatted bill once I click the button to calculate the bill



