**Introduction to Server-Side Language PHP**

# Goal(s)

* Learning basics of PHP

# What You Should Already Know

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

* XAMPP
* Apache
* PHP basics

# 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.)

# Problem 1

“A quick brown **fox** jumps over the lazy **dog**”

Write a PHP page that will output the above text but, only fox and dog should be output using echo, rest of the text should be output without echo.

# Required Features

**The response to the browser should exactly be like :**

A quick brown <b>fox</b> jumps over the lazy <b>dog</b>

# Problem 2

A variable will have a marks of a single student’s single course as $marks=90 in a PHP page.

Now your PHP script will decide and output the grade of that student.

***Grading System:***

If marks >=90 : A+

If marks >=80 and <90: A

If marks >=70 and <80: B

If marks >=60 and <70 : C

Else the grade is : F

# Problem 3

Two variables should be declared in a PHP page, two of them will hold length and width of a rectangle. Your PHP script will calculate the perimeter and area of the rectangle. Only if the two sides (e.g. length and width) are equal, it will output a text like “the shape is a square”.

# Problem 4

A variable inside a PHP page will have a string value like $name=”raju”. Your PHP script will say “hello” only if the value of the variable is “raju” or “mina” or “mithu”. Unless it will output “you are not recognized”.

# Problem 5

Write the following code in a PHP page :

<?php

$backColor=”green”; $fontColor=”red”; $imageWidth=”80px”; $imageHeight=”80px”;

?>

<img src=”aiub\_logo.jpg” width=”300px” height=”300px” />

<h2>American International University -<span style="background-color:yellow;color:cyan">

Bangladesh</h2>

</span>

**For the above code :**

* Download AIUB logo from anywhere and place in your local drive so that the above img tag can be functional to show the image as a logo. Logo size must come from the variables named as $imageWidth and $imageHeight
* For the text inside h2 tag, background color and font color should come from the php variables named $backColor and $fontColor.
* AIUB logo and the text inside h2 tag must stay side by side, but h2 tag can’t be changed to any other tag.
* A hint of output is given below:

A close up of a logo

Description automatically generatedAmerican International University-Bangladesh

# Technical Requirements

* Your PHP should be well-formed.
* You should not use an intelligent text editor to generate HTML.

# Submission

* github

**Submission Deadline: This Lab**