**Challenge 1**

*Introduction to PHP*

# Goal

It’s practice time. We learn by doing, so do your best.

\*Please submit all files in a compressed (zip) file!

Use [these starting files](https://drive.google.com/file/d/1iUpIm2xYTM6ekCrXvXSF791A4RQDukxy/view?usp=share_link)! Failure to do so will result in a mark of 0 for this challenge.

# 1) TickTock

Write a PHP program that prints the numbers from 1 to 100, one per line.

For multiples of three print “Tick” instead of the number and for the multiples of five print “Tock”. For numbers which are multiples of both three and five print “TickTock”.

Sample Output:

**1**

**2**

**Tick**

**4**

**Tock**

**Tick**

**7**

**8**

**Tick**

**Tock**

**11**

**Tick**

**13**

**14**

**TickTock**

***… etc***

# 2) HTML & PHP

Use the following code as a starter file and follow the instructions within:

**<?php**

**// Task #1 Generate the date using php.**

**// Save it to a variable.**

**// Output it within a p tag in your body.**

**// Task #2 Hard-code an array of strings.**

**// Each string is a quote.**

**// Within the body of your html, loop through this array.**

**// Output each quote within a <p> tag**

**// Task #3 The following array of hashes**

**// contains title and URLs for websites.**

**$links = [**

**['title' => 'Stung Eye', 'href' => 'http://stungeye.com'],**

**['title' => 'ODM', 'href' => 'http://goo.gl/cfHwe7'],**

**['title' => 'Reddit', 'href' => 'http://reddit.com']**

**];**

**// Within the body of your html, loop through this array.**

**// Generate a <ul> unordered list of <a> tags using**

**// the data from each of the hashes.**

**// Task #4 The following hash of hashes contains**

**// information about the ghosts from Pacman. The keys**

**// for the outer hash are the ghost names.**

**$ghosts = [**

**'Shadow' => ['nickname' => 'blinky', 'color' => 'red'],**

**'Speedy' => ['nickname' => 'pinky', 'color' => 'pink'],**

**'Bashful' => ['nickname' => 'inky', 'color' => 'cyan'],**

**'Pokey' => ['nickname' => 'clyde', 'color' => 'orange'],**

**];**

**// Within the body of your html, loop through this hash.**

**// Generate a paragraph tag for each ghost, formatted like**

**// this example:**

**// <p>My name is Shadow. My nickname is blinky. I am red.</p>**

**//**

**// For an extra challenge try to display the text of the**

**// nickname in the ghost's colour.**

**?>**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="utf-8" />**

**<title>Intro to PHP Challenge</title>**

**</head>**

**<body>**

**<!-- This is where you will be writing and generating your HTML. -->**

**</body>**

**</html>**

**Note:** You must ensure that your generated [HTML5 is valid](https://validator.w3.org/).