College of Engineering, Construction & Living Sciences
Bachelor of Information Technology
IN607: Introductory Application Development Concepts
Level 6, Credits 15

In-Class Activity: PHP Basics 1 Extension

Instructions

The purpose of this in-class activity to extend your knowledge. These problems are difficult & will require you to understand & use commonly used in-built **PHP** functions.

Code Review

You must submit all program files via **GitHub Classroom**. Here is the URL to the repository you will use for your code review – https://classroom.github.com/a/P656imf2. Checkout from the **main** branch to the **01-in-class-activity-ext** branch by running the command - **git checkout 01-in-class-activity-ext**. This branch will be your development branch for this activity. Once you have completed this activity, create a pull request & assign the **GitHub** user **grayson-orr** to a reviewer. **Do not** merge your own pull request.

Problem 1:

Write a function called **find_breed** which accepts an unsorted array of **strings** called **breeds**. Your code needs to search **breeds** for the name "Afghan Hound" & return the location in the array using the **array_search** function. If "Afghan Hound" is not in **breeds**, return -1.

```
<?php
    // Write your solution here

    // Expected output:
    // find_breed(["Beagle", "Dalmatian", "Afghan Hound"]); => 2
    // find_breed(["Dalmatian", "Beagle", "Golden Retriever"]); => -1
?>
```

Problem 2:

Write a function called **remove_vowels** which accepts a **string word** & returns a new **string** with all vowels removed using the **preg_replace** function.

```php
<?php
    // Write your solution here

    // Expected output:
    // remove_vowels("Hello, World!"); => Hll, Wrld!
?>
```

Problem 3:

Write a function called **missing_num** which accepts an unsorted array of **integers** called **nums** & return the missing number using the **array_sum** function.

```php
<?php
    // Write your solution here

    // Expected output:
    // missing_num([10, 3, 4, 8, 1, 7, 6, 9, 2]); => 5
?>
```

Problem 4:

Write a function called **file_extensions** which accepts an array of **strings** called **files** & returns their extension names using the **explode** function.

```php
<?php
    // Write your solution here

    // Expected output:
    // file_extensions(["index.html", "index.js"]); => ["html", "js"]
?>
```