College of Engineering, Construction & Living Sciences
Bachelor of Information Technology
IN607: Introductory Application Development Concepts
Level 6, Credits 15
In-Class Activity: PHP In-Built Functions

Instructions

The purpose of this in-class activity to familiarise yourself with in-built functions in **PHP**.

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 **03-in-class-activity** branch by running the command - **git checkout 03-in-class-activity**. 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:

What is a substring? it is a portion of a string, i.e., "Hello" is a substring of "Hello, World!" and "el" is a substring of "Hello". String manipulation is commonly used & working with substrings is something you will do often.

You have been given the following sentence as a single **string**:

"The anemone, the wild violet, the hepatica, and the funny little curled-up ferns all peeped out at us from beneath the brown leaves."

Output: 5 Use the **substr_count()** function to return the number of occurrence of the word "the" in the sentence above.

0.1   Problem 2:

Use **echo** & the **strtolower()** function to display the following string in lowercase letters:

Input: "YoU aRe dOIng A GReat jOB!"
Output: "you are doing a great job!"

Problem 3:

Which in-built function repeats a **string**. Please provide the following:

- The name of the function

- Its parameters & parameter descriptions

- Its return value

- A code example using the function

Problem 4:

In this problem you are going to use the **abs()** function. Write a function called **calc_dist** that calculates the distance between two **integers**. It does not matter which order the arguments are given, it should still return the same result.

```
     Input: calc_dist(-1, 4)
     Output: 5

     Input: calc_dist(4, -1)
     Output: 5
```

Problem 5:

In this problem you are going to use the **round()** function. Write a function called **calc_tip** which accepts an **integer** representing the total cost of a breakfast meal as its argument. Your function should calculate a new total with a 15% tip added & return that value rounded to the nearest whole **integer**.

```
     Input: calc_tip(100)
     Output: 115

     Input: calc_tip(35)
     Output: 41
```

Problem 6:

Which in-built function parses a **string** as if it were the **query string** passed via a URL & sets a variable in the current scope.

- The name of the function

- Its parameters & parameter descriptions

- Its return value

- A code example using the function. Please provide a recommended example & discouraged example.