



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 Answers**

**Problem 1:**

```
<?php
function find_breed($breeds) {
    $search = array_search("Afghan Hound", $breeds);
    return $search !== false ? $search : -1 ;
}

echo find_breed(["Beagle", "Dalmatian", "Afghan Hound"]);
echo find_breed(["Dalmatian", "Beagle", "Golden Retriever"]);
?>
```

**Problem 2:**

```
<?php
function remove_vowels($word) {
    return preg_replace('/[aeiou]/i', '', $word);
}

echo remove_vowels("Hello, World!");
?>
```

**Problem 3:**

```
<?php
function missing_num($nums) {
    sort($nums); // Returns an empty array if given array, i.e., $nums is not sorted
    $new_arr = range(1, max($nums)); // Alternatively, you can start with the lowest given element
    return array_diff($new_arr, $nums); // Return missing number(s)
}

print_r(missing_num(array(10, 3, 4, 8, 7, 9, 2, 1)));
```

?>

#### Problem 4:

```
<?php
    function file_extensions($files) {
        $extensions = [];
        foreach($files as $file){
            array_push($extensions, explode(".", $file)[1]);
        }
        return $extensions;
    }

    print_r(file_extensions(["index.html", "index.js"]));
?>
```