



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 Answers

Problem 1:

```
<?php
$name = "John";
$age = 55;
echo "Hello my name is $name & I am $age years old.";
?>
```

Problem 2:

```
<?php
$x = 1957452;
$y = 2975635;
$sum = $x + $y;
echo "The sum of $x & $y is $sum";
?>
```

Problem 3:

```
<?php
$numbers = array(45.3, 67.5, -45.6, 20.34, -33.0, 45.6);
$average = array_sum($numbers) / count($numbers);
echo "Average: $average";
?>
```

Problem 4:

```
<?php
function fizzBuzz($num) {
    if ($num % 15 == 0) {
        return "FizzBuzz";
    } elseif ($num % 3 == 0) {
```

```
        return "Fizz";
    } elseif ($num % 5 == 0) {
        return "Buzz";
    }
    return $num;
}

for ($i = 1; $i <= 15; $i += 2) {
    echo fizzBuzz($i) . "<br>";
}
?>
```

Problem 5:

```
<?php
$numbers = array(21, 19, 68, 55, 42, 12);
sort($number);
foreach ($numbers as $num) {
    if ($num % 2 != 0) {
        echo $num . "<br>";
    }
}
?>
```

Problem 6:

```
<?php
function is_anagram($string_one, $string_two) {
    if (count_chars($string_one, 1) == count_chars($string_two, 1)) {
        echo "true";
    } else {
        return "false";
    }
}

echo is_anagram("elvis", "lives") . "<br>";
echo is_anagram("cat", "sat");
?>
```

Problem 7:

```
<?php
function convert($hours, $mins) {
    $hours = $hours * 3600;
    $mins = $mins * 60;
    return $mins + $hours;
}

echo convert(1, 3)
?>
```

Problem 8:

Write a function called **palindrome** which accepts a single parameter called **string**. In the function block, determine whether or not **string** is a palindrome. The function should return a **boolean**.

```
<?php
function palindrome($string) {
    $str = preg_replace('/\W/i', '', strtolower($string));
    if (strrev($str) == $str) {
        return "true";
    } else {
        return "false";
    }
}

echo palindrome("A man, a plan, a canal - Panama") . "<br>";
echo palindrome("Hello, World!");
?>
```

Problem 9:

Write a function called **is_five_letters** which accepts an **array** of **strings**. In the function block, return all words that are exactly **five** letters.

```
<?php
function is_five_letters ($string) {
    for($i = 0; $i < count($string); $i++) {
        if(strlen($string[$i]) == 5) {
            return $string[$i];
        }
    }
}

echo is_five_letters(["car", "bike", "truck"]);
?>
```

Problem 10:

Write a function that accepts an **integer**. If the **integer** is prime, return **true**, otherwise return **false**.

```
<?php
function is_prime($prime){
    for($p = 2; $p < $prime; $p++) {
        if($prime % $p == 0) {
            return "false";
        }

        if($p >= sqrt($prime)) {
            return "true";
        }
    }
}

echo is_prime(11);
echo is_prime(18);
?>
```