*Assignment 5*

<?php

//***Q1 - Display***

$color = ['white', 'green', 'red'];

foreach($color as $c)

echo "$c,";

echo "<ul>";

sort($color);

foreach ($color as $c)

echo "<li>$c";

echo "</ul>";

***//Q2 - Delete & sort array***

$x = [1, 2, 3, 4, 5];

var\_dump($x); **//array(5) { [0]=> int(1) [1]=> int(2) [2]=> int(3) [3]=> int(4) [4]=> int(5) }**

unset($x[3]);

sort($x);

var\_dump($x); **//array(4) { [0]=> int(1) [1]=> int(2) [2]=> int(3) [3]=> int(5) }**

***//Q3 - Print first element of the array***

$color = array(4 => 'white', 6 => 'green', 11 => 'red');

echo pos($color); **//white**

***//Q4 - Calculate & display average, five lowest & five highest temperature***

$temp = [78, 60, 62, 68, 71, 68, 73, 85, 66, 64, 76, 63, 75, 76, 73, 68, 62, 73, 72, 65, 74, 62, 62, 65, 64, 68, 73, 75, 79, 73];

function addUp($temp) {

$s = 0;

foreach($temp as $i)

$s += $i;

echo "Average temperature: ".$s / count($temp); **//Average temperature: 69.766666666667**

echo "<br>";

$temp = array\_unique($temp);

sort($temp);

for($i = 0; $i < 5;)

echo $temp[$i++].", "; **//60, 62, 63, 64, 65,**

echo "<br>";

rsort($temp);

for($i = 4; $i >= 0;)

echo $temp[$i--].", "; **//75, 76, 78, 79, 85,**

}

addUp($temp);

***//Q5 - Merge (by index) two arrays***

$a1 = array( array(77, 87), array(23, 45) );

$a2 = array("w3resourse", "com");

print\_r(array\_merge($a1, $a2)); **//Array ( [0] => Array ( [0] => 77 [1] => 87 ) [1] => Array ( [0] => 23 [1] => 45 ) [2] => w3resourse [3] => com )**

***//Q6 - Print largest key in an array***

$a1 = array(1 => 'one', 2 => 'two', 'c' => 'three');

echo max(array\_keys($a1)); **//c**

***//Q7 - Shortest/Longest string length***

$chrs = array("abcd", "abc", "de", "hjjj", "g", "wer");

$lens = array\_map('strlen', $chrs);

echo "Shortest string length: ".min($lens); **//Shortest string lenght: 1**

echo "Longest string length: ".max($lens); **//Longest string length: 4**

***//Q8 - Change case of values***

$arr = array('A' => "Blue", 'B' => "Green", 'C' => "Red");

//change case of values

print\_r(array\_map('strtolower', $arr)); **//Array ( [A] => blue [B] => green [C] => red )**

print\_r(array\_map('strtoupper', $arr)); **//Array ( [A] => BLUE [B] => GREEN [C] => RED )**

?>