

UNIT 2 SOLVED EXERCISES:

ARRAYS, STRINGS, DATES AND FUNCTIONS

ARRAYS

Exercise 1. Create an array of 10 integers and print all the elements

```
<?php
$a=array(3,2,6,1,8,9,3,2,1,2);
for ($i=0; $i<10; $i++)
    echo $a[$i]." ";
?>
```

Exercise 2 Sum the elements of an array

```
<?php
$suma=0;
$a=array(3,2,6,1,8,9,3,2,1,2);
for($i=0; $i<10; $i++)
{ $suma+=$a[$i];
}
echo $suma;
?>
```

Exercise 3 Declare an array with the days of the week in English. Then show wednesday from the array

```
<html>
<head>
<title>Arrays introduction</title>
</head>
<body>
<h1> Arrays introduction </h1>
<p>Next we will write the arrays according to the long method </p>
<p>
<?php
$day[0] = "sunday";
$day[1] = "monday";
$day[2] = "tuesday";
$day[3] = "wednesday";
$day[4] = "thursday";
$day[5] = "friday";
$day[6] = "saturday";

//show wednesday
echo $day[3];
?>
</p>
```

```
</body>
</html>
```

Exercise 4. Another way to declare the array:

```
<?php
$day = array( "Sunday", "Monday", "Tuesday", "Wednesday", "Thursday",
"Friday", "Saturday" );
//show wednesday
echo $day[3];
?>
```

STRINGS

Exercise 5 Script to get the last three characters of a string.

```
<?php

$str1 = 'marta@gmail.com';

echo substr($str1, -3)."\n";
?>
```

Exercise 6 Script to get the first word of a sentence

```
<?php

$s = 'Hello world, my name is Marta';
$arr1 = explode(' ',trim($s));
echo $arr1[0]."\n";
?>
```

Exercise 7 print date like : Saturday the 14th

```
<?php

echo date('l \t\h\e jS');
?>
```

Exercise 8 script to convert the number to month name.

```
<?php

$month_num = 9;
$dat = date_create_from_format('!m', $month_num);
$month_name = date_format($dat,'F');
echo $month_name."\n";
?>
```

FUNCTIONS

Exercise 9 Create a function to show a string.

```
<?php

function showText($text) {
    echo "<strong>The text is: </strong>";
    echo $text;
}

showText("I like php programming");
?>
```

Exercise 10 Create a function to calculate the area of a rectangle.

```
<?php

//Define function.
function recArea($l, $w){
    $area = $l * $w;
    echo "A rectangle of length $l and width $w has an area of $area.";
}
//Call function.
recArea(2, 4);
?>
```

Exercise 11 Write a function that adds, subtracts, or multiplies the first two arguments, based on the third argument. It will return the result of the operation

```
<?php
function operations($n1, $n2, $operation) {
    $result = 0;
    if($operation == "Add") {
        $result = $n1 + $n2;
    }else if($operation == "Substract") {
        $result = $n1 - $n2;
    }else if($operation == "Multiplicate") {
        $result = $n1 * $n2;
    }
    return $result; // Return de result
}
//Calling functions
$r = operations(5, 7, "Add");
echo $r . "<br>";
// Or print directly
echo operations(15, 8, "Substract");
?>
```

