

UNIT 2 BASIC PHP: ARRAYS, STRINGS, DATES AND FUNCTIONS

All exercises 1 point

- 1 Given an array of 10 integers already full, calculate the average of the elements of the array and say how many are higher, lower and equal to the average.
- 2 Make a program in PHP that saves the names of the days of the week in an associative indexed array (Mon Tue Wed Thu Fri Sat Sun, for example). Display the content with an approximate result to the following:

Mon	Tue	wed	Thu	Fri	Sat	Sun
Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday

- 3 Given a string with a name and two surnames

For example: `$cad='Giménez Gómez, Marta' ;`

separate it into two strings :

```
$name='Marta' ;  
$surnames='Giménez Gómez' ;
```

The format must work for any string. The format will be : « surnames, name »

- 4 Rotate the letters of the words in a string. Rotate word by word

```
$cad='I am a student'  
$result='I ma a tneduts'
```

- 5 Using the date function, and previously declaring the necessary arrays, make a program in PHP that displays the current date with the format (Valencian Language)

Avui es Dilluns, 23 de Setembre de 2024

- 6 Make a sum function that returns the sum of two numbers
- 7 Make another sum () function so that it also includes the presentation of the results, so that from the main program we only have to do:

```
sum (1,2,3);
```

and show us;

“The sum of 1 2 3 is 6”

The number of arguments will be variable

8 Make a function that exchanges two variables passed as reference parameters.

9 Given an ID number: for example \$id=20202020

Work on the maximum possible functions to do:

- If the user enters a correct ID (8 numbers and the correct letter) say “welcome \$nif”
- If the user enters a DNI with 8 numbers and no letter, the letter is calculated and say “welcome \$nif” (with the correct letter)
- If the user leaves the DNI blank or enters any other information that cannot be used to calculate the correct DNI, we display an error message “Validation error”

Remember the `is_numeric($cad)` function

The letter of the DNI is calculated, first of all, obtaining the residue of the division of the number of the DNI between 23 ($\text{DNI} \% 23$). This will be a number between 0 and 22. With this number go to the string "TRWAGMYFPDXBNJZSQVHLCKE" and we obtain the letter that occupies the calculated position.

10 Obtain information about a file from its name. For this, the following functions will be defined. Create a `string.php` file with these functions and a `practical.php` page that, using the code provided, obtains and displays the type of a file from a variable with its name

- *`string file_extension (string)`*: It receives a string of characters that represents the name of a file and returns a string with the file extension.

Example to call: `$extension = file_extension (“curriculum.pdf”);`
it returns variable `$extension` with “PDF” value.

- *`string file_type (string)`*: It receives a string of characters that represents a file extension and returns a string with the type of file that corresponds to that extension (see Table I).

Example to call: `$type = file_type(“PDF”);`
it returns variable `$type` with “Adobe File” value

Table I: File types

Extension	Type
“PDF”	“Adobe File”
“TXT”	“Text File”
“HTML”, “HTM”	“HTML File”
“PPT”	“Microsoft Powerpoint File”
“DOC”	“Microsoft Word File”
“GIF”	“GIF Image”
“JPG”	“JPG Image”
“ZIP”	“ZIP File”
Other extension	Extension + “ File” (Example: php File)