1 Practice 2.1. Strings, arrays and dates

> This practice consists of a series of exercises. Create a folder inside your local server with the name `prac02` and do each exercise in a new file inside the folder.
>
> The inclusion of comments in the scripts will be valued.
>
> Once done, compress the folder, add your name to the compressed file and submit it via **Aules**.

1.1 Exercise 1

Make a script that read from a query string a circle's radius value and show the diameter, circumference (perimeter) and area values. Define a constant for the **PI** value.

(Optional) Make a second version using the **M_PI** constant instead of the defined one.

1.2 Exercise 2

Make a script that reads from a query string 2 values, city and country. Store the values in a associative array with the keys "city" and "country".

Then, do the next operations, using the array:

- Show the read values
- Show the length of each value
- Show both values in uppercase and in lowercase
- Show the number of times the letter 'a', uppercase and lowercase, appears in each value (you can choose the letter you want to be shown)
- Show both values replacing the letter 'o', uppercase or lowercase, by the number 0 (you can choose the characters you want)

1.3 Exercise 3

Make a script that generates 7 random numbers to play the Euromillones game. The first 5 numbers must be between 1 and 50, and the last 2 numbers must be between 1 and 12. Use the function mt_rand() (read the documentation).

The numbers must be stored in two numeric arrays, one for the numbers between 1 and 50 and the other for the numbers from 1 to 12. Don't worry if the numbers are repeated.

Once stored, show them using the arrays orderly, from least to greatest number.

1.4 Exercise 4

Read a date via query string with the values day, month and year as integers. Using a **DateTime object**, show the read and the current date formatted (for instance “Saturday the 13th of April, 2019”) and the difference in days between them.

Also show both dates as Unix timestamps.

1.5 Exercise 5

Make a numeric array with the names of 4 meals. Then do the next operations:

- Show the array as a string with the elements separated by commas.
- Show the array ordered alphabetically, in ascending order.
- Show the array ordered alphabetically, in descending order.
- Show the position of your favorite meal in the array.