

# Workshop 13: PHP Variables and Conditional Statements

Brainster Web Development Academy



# Exercise 01

Create two variables and initialize them with some values.  
Write a script that will swap the values of the two variables.

For example if you have a variable named `$word1` with value 'Hello' and a variable named `$word2` with value 'world', first print the following sentence:

***The value of variable `$word1` is 'Hello' and the value of variable `$word2` is 'world'***

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Then swap their values and print the exact same sentence. It should now print:

***The value of variable `$word1` is 'world' and the value of variable `$word2` is 'Hello'***



## Exercise 02

Create a variable and set its value to be a random sentence.

Check the sentence length.

If it has more than 20 letters and more than 4 words, convert all its letters to uppercase and print it.

If it does not meet the condition, convert all letters to lowercase and print it.

Hint: uses native php string functions: <http://php.net/manual/en/ref.strings.php>



## Exercise 03

Write a switch statement that receives a variable.

If the value of that variable is a number from 1 to 10, it prints its value as a word.

If the value is anything else it prints 'Unsupported number'

Example:

1 -> one,

2 -> two

3 -> three

...

15 -> 'unsupported number'

-5 -> 'unsupported number'

'Hello' -> 'unsupported number'



# Exercise 04

Let's write code that will simulate a calculator.

Make 2 variables that will store numbers and 1 variable that will store the operation we're about to perform. The operation can be any of these: +, -, \* or /.

Using conditional statements to check which operation need to be performed (according to the value in the third variable), apply the proper mathematical operation to the numbers in the first two variables.

Example:

If we store the number 5 in the first variable, the number 10 in the second one and the sign \* in the third one, our application should print:

*"The result of multiplying 5 and 10 is 50."*



## Exercise 05

Create a website for a person's profile. Store your favorite color, age, gender and image (string which is a path to an image on the internet) in variables. Then, using PHP:

- a. Paint the page (background color) in the person's favorite color
- b. If the person's age is under 15, then the whole text on the page should be 12px in size. If it is between 16 and 55 font size should be 20px and if it is 56+ the font size should be 40px.
- c. If the person is male, then the letters should be black. If the person is female then the letters should be white. If any other value is specified, then the text should be in purple.
- d. Display the image from the PHP variable. The image should be clickable and when clicked, the link should open the image in a new window.
- e. All the person's data should also appear next to the image in an unordered list (<ul></ul>).



## Exercise 06

Create an invoice using the Bootstrap library. The data is stored and read from PHP variables.

a. For the payer we need the following information:

- i. Name and surname
- iii. Mobile number
- iv. Email
- v. Address of residence
- vi. Picture (url to a picture on the Internet)

b. About the company we need the following information:

- i. Company name
- ii. Phone number
- iii. Email
- iv. Company address

c. The invoice should contain (keep everything in separate variable):

- i. At least 3 items purchased by the customer along with the price for each product
  - ii. Total price of all the products
  - iii. How much the user paid
  - iv. If there is unpaid amount, print it in red. If everything is paid then print "0.00" in green.
- d. Prices are represented as decimal numbers.

Try to match the design of the invoice. You can see how this exercise should look [here](#).



# Break a leg!

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If you haven't finished all exercises, please try to finish them at home.

