

Speedtest

Task 1

PHP task:

- Create two input fields for two different sentences.
- Compare the letters in the first sentence to those in the second sentence.
- Count the letters in the second sentence and print the amount.
- Print one letter only once.

Example:

1. "Hei maailma"
2. "Taitaja-kisat on käynnissä"

H: 0

E: 0

I: 3

M: 0

A: 4

L: 0

Task 2

Assembling the train (see wireframe)

1. The page displays different parts of the train.
2. The user can select different parts by clicking on the images.
3. The selected image is added to the bottom of the train part on the right.
4. The user can add the desired number of models in order.

Task 3

Write a PHP function which takes an email address as input. This function will check if the email address is valid, and only if it is valid will it extract the top-level domain name from this email address.

Task 4

The file person.json contains information about one person (name and age). Read the file and modify the person's name and age. Save the new information to the file person.json.

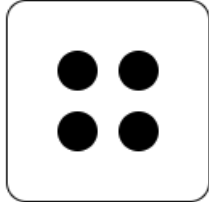
Task 5

- Generate three numbers between 1-10
- Generate three more numbers between 1-10

- Print both sets as two columns in descending order, side by side
- Animate the figures that match in the same row (pulsing animation (size and colour changes)).

Task 6

Fix the code so the dice look like the one in the image below.



Task 7

Create a JavaScript function that takes a parameter of an array of 10 integers between 0-9. The purpose of the function is to format the phone number obtained from the array to the form "+358 XX YYY ZZZZ", where "XX" is the first two numbers, "YYY" is the next three numbers, and "ZZZZ" is the last five numbers.

- Convert the numbers to strings and add the prefix "+358".
- Format the numbers with spaces to group them in the correct format.
- Return the final formatted phone number as a string.

Task 8

The logic of the current game:
Any time snake eats a bite, it grows.

Logic to be:
The length of the snake grows automatically as time goes by. One bite every third second.
Change the logic so that the more snake eats, the shorter it gets.

Task 9

1. Create a floorplan according to the picture
2. List rooms on the right-hand side of the picture
3. When the cursor is on top of the name of the room, the room activates on the floorplan
4. When the cursor is moved out, the activation stops

Task 10

Write a PHP function that takes a number and checks whether it is a prime number. In either case, the smaller and larger neighbouring prime numbers should also be printed.