

Exercise 6

This is Exercise #6, lecture on CSS Grid, used in the course [IDATA2301 Web technologies](#) at NTNU, campus Aalesund.

Go [back to exercise list](#).

Purpose

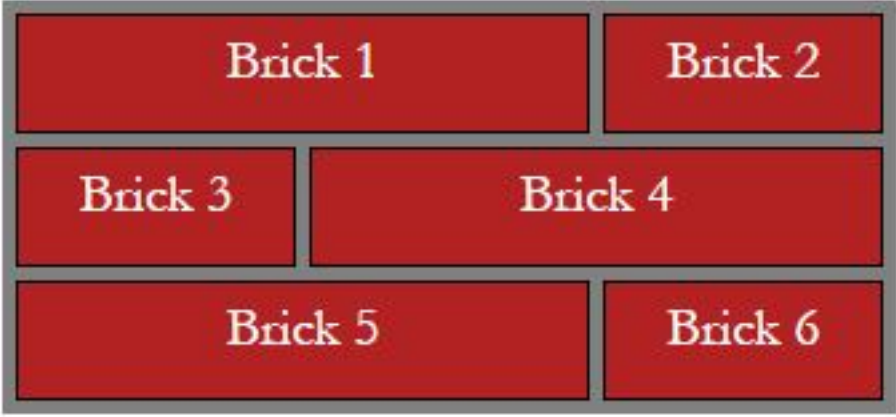
The purpose of the exercise is to get familiar with how we assign items to grid regions.

Instructions

Start with this document as the template. Arrange the provided elements within a grid according to the necessary layout. **Don't change the HTML elements, make the changes with CSS style only!**

Exercise 6.1 - Brick wall

Arrange the grid items below to match a brick wall pattern. Each full brick should be 100px wide and 50px high, including the padding and border. This is how the final result should look:



Here is the grid you should work with (remember: apply CSS style only, within the `<style>` block in the `<head>` of the document):



Exercise 6.2 - Holy grail layout

Now it's time to create a holy grail layout with CSS grid! It is actually easier than with flexbox! We will create the layout in a limited container, but it would work the same in a full-page layout.

The task is the same: look at the elements created below, create CSS styles to arrange them in a holy grail layout without changing the structure or order of the elements in the HTML code.

Some requirements for the sizes:

- 1. The header and footer should have fixed height of 100px.
- 2. The navigation and aside should have a fixed width: 200px.
- 3. The main content are with the lorem ipsum text should resize dynamically based on available width.

Hint: what about trying out the naming the grid regions with `grid-template-areas` and assigning them to items using `grid-area`?

Here is how it should look when you are done:



Here are the elements you should work with:



Solution

You can find a solution in [../solutions/ex06-solution.html](#).