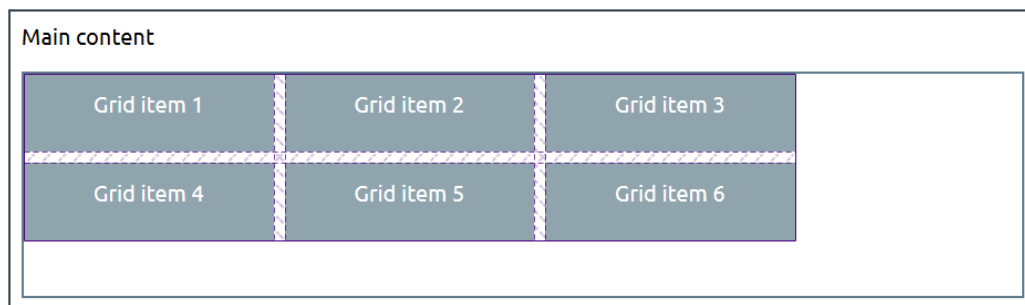# Exercise Sheet 3

Exercise 1

In this exercise, you'll define the layout on grid-level (thus affecting all grid items) using the CSS properties you learned. For this, first set up the basic grid:
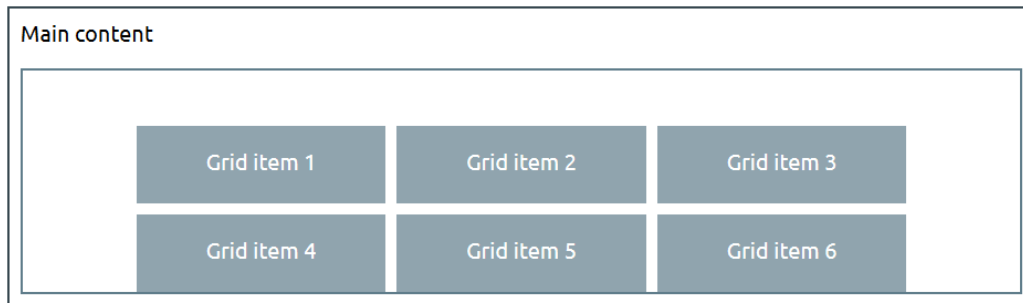
1. Create a grid with two rows and three columns

2. Add six grid items with some content

3. Give the grid container a fixed height greater than the height of the two rows (thus leaving some space for alignment)

4. Nest the grid into a main container and *add a border to both* in order to see their boundaries

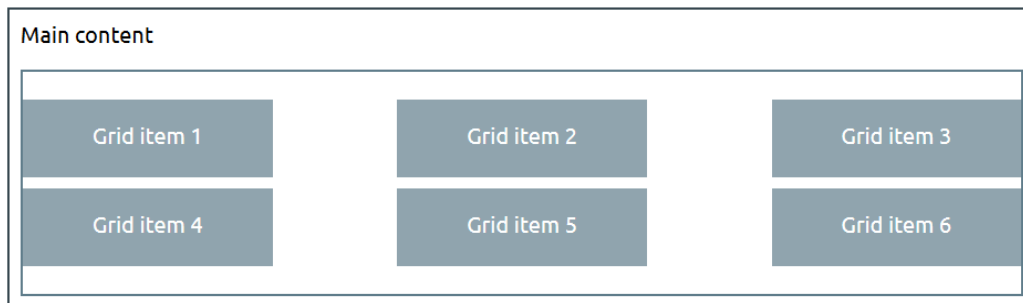Structurally, your main container and grid should now look something like this:

It's important that the grid has horizontal and vertical space left for justifying (horizontal) and alignment (vertical).
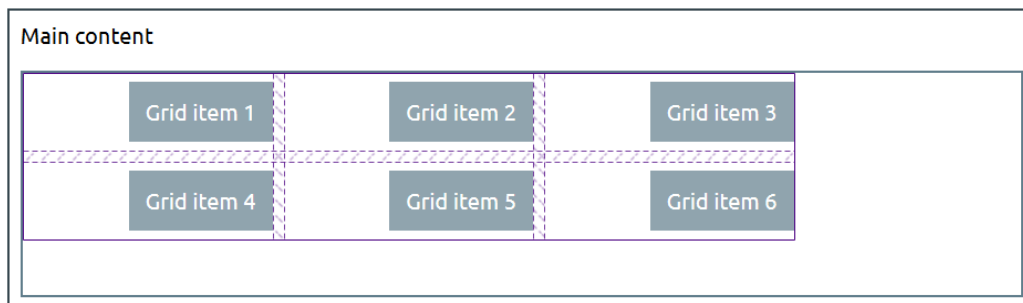
Now, use the grid grid-level CSS properties to change the grid layout as follows:

Main content

Grid item 1	Grid item 2	Grid item 3
Grid item 4	Grid item 5	Grid item 6

Next, use another combination of values to recreate this layout:

Main content

Grid item 1	Grid item 2	Grid item 3
Grid item 4	Grid item 5	Grid item 6

Finally, design the following grid layout:

Main content

Grid item 1	Grid item 2	Grid item 3
Grid item 4	Grid item 5	Grid item 6

Hints: *Remember that the* **-content** *suffix indicates properties affecting the positioning of the whole grid, and the* **-items** *suffix is used for properties affecting each grid item.*
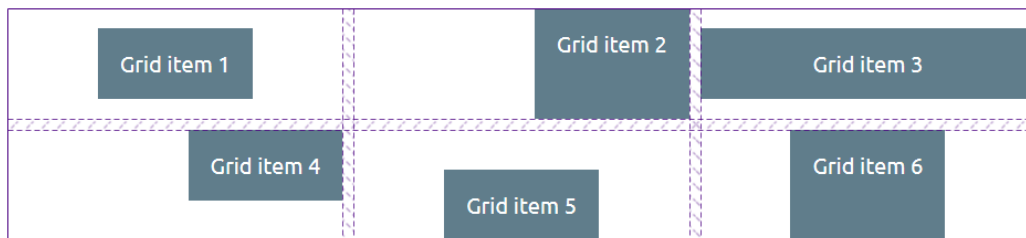
Solution: View solution on GitHub

Exercise 2

In this exercise, you'll align each grid item differently in order to explore all the different valid values for the CSS properties you learned.

For this, first create a 2x3 grid and fill it with six items. Each item should contain a bit of text.

Now, justify and align your grid items as in this layout:

Hints: *You can use the properties that allow items to override the main grid layout, namely those ending in* `-self`.

Solution: View solution on GitHub