

# IMY 220

## Practical 1:

### Bootstrap + CSS

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*Due: Friday 27 August @ 9:20*

*The submission instructions are available on ClickUP. Any deviation from these instructions will cause a **10% deduction** from your mark.*

#### Instructions

- Use CSS and Bootstrap to make webpage content responsive and add simple styling.
- The screenshots provided will show you what the results must look like (including for different screen sizes).
- Download *index.html* from ClickUP. You are not allowed to remove any code from this file, although you will need to write additional HTML.
- Include the newest CDN version of Bootstrap. You will only use the CSS for this practical (and you don't need to include both CDN and local as a fallback).
- You will also need to write additional CSS, which must be contained inside a separate file called *style.css*.

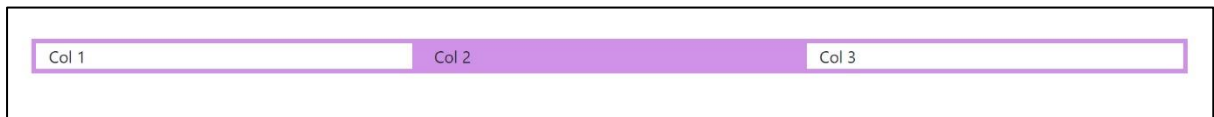
#### Section 1

In the section-element, two divs have already been created for you and filled with three and four child-divs respectively. You must use the Bootstrap grid system to set the widths of these child-divs based on the width of the screen and give them some basic styling.

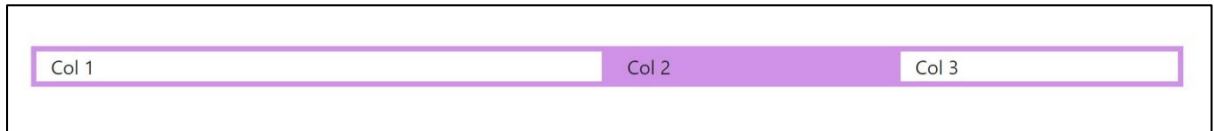
Row 1 (div with an id of row1)

- On screens  $\geq 1200\text{px}$ , each column should fill a third of the row.
- On screens  $\geq 992\text{px}$ , Column 1 should fill half the row and the other columns should fill the remaining half and be equally sized.
- On screens  $\geq 768\text{px}$  and  $< 992\text{px}$ , Column 1 should fill two thirds of the row and the other columns should fill the remaining third and be equally sized.
- On screens  $\geq 576\text{px}$  and  $< 768\text{px}$ , Column 1 should fill five sixths of the row and the other columns should fill the remaining sixth and be equally sized.
- On screens  $< 576\text{px}$ , Column 1 should fill the width of the row and the remaining two should fill it underneath and be equally sized.
- Create a CSS custom property (CSS variable) and set it to a light purple colour value.
- Use a substring matching attribute selector to select all column-divs, in other words all divs with a class-attribute starting with "col", and give them a light purple border using your custom property. The border should be 5px in width.
- Use a pseudo-class to select the second column-div and set its background colour to light purple using your custom property.
- This should look as follows:

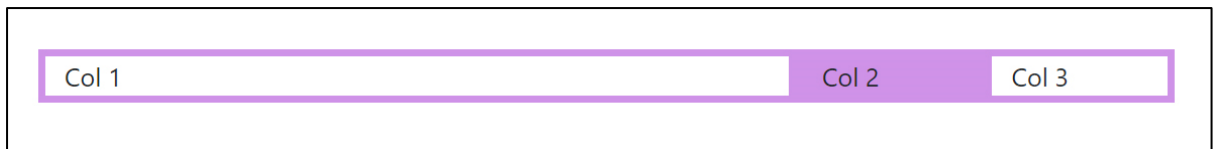
**≥ 1200px**



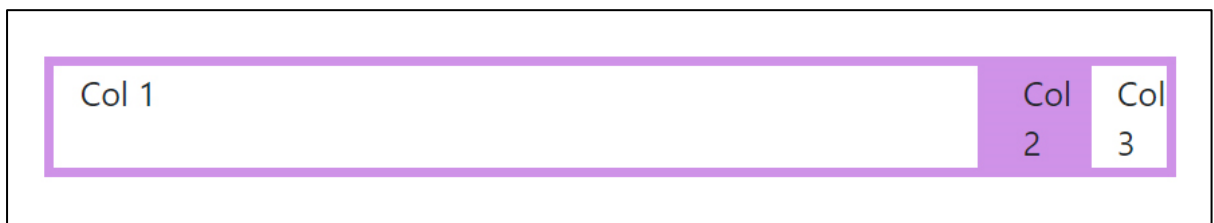
**≥ 992px**



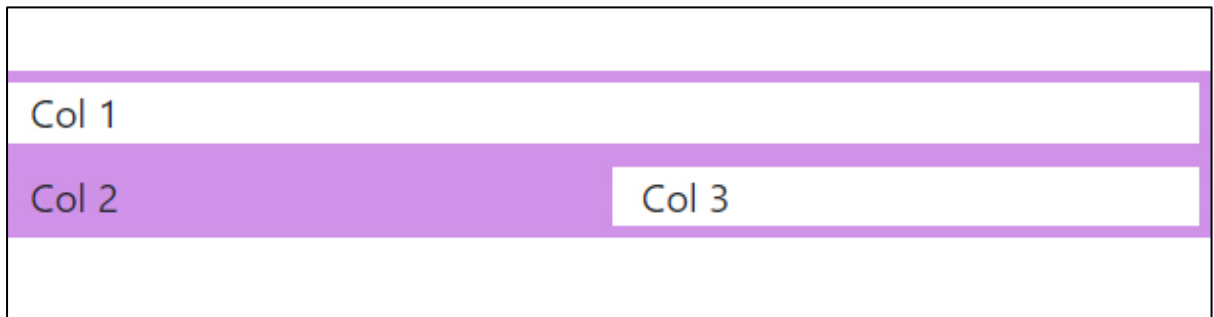
**≥ 768px and < 992px**



**≥ 576px and < 992px**



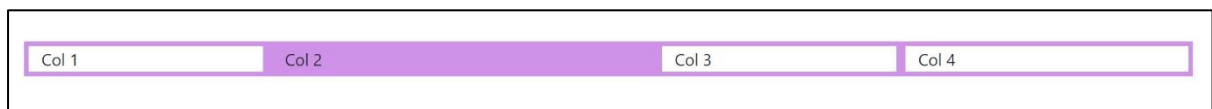
**< 576px**



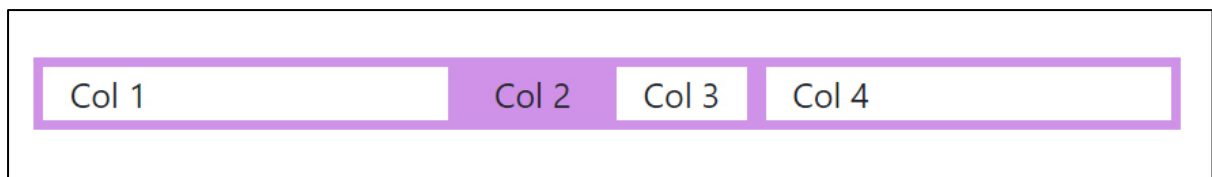
Row 2 (div with an id of row2)

- On screens  $\geq 768\text{px}$ , Column 2 should fill a 3<sup>rd</sup> of the row, Column 4 should fill a quarter, and the remaining two (Column 1 and 3) should fill the rest and be equally sized.
- On screens  $\geq 576\text{px}$  and  $< 768\text{px}$ , the width of Column 2 and 3 should depend on the width of their contents and Column 1 and 4 should fill the rest of the row and be equally sized.
- On screens  $< 576\text{px}$ , all columns should fill the width of the row (and thus be stacked underneath one another).
- Using your custom property, also give the column-divs a light purple border and give the second column-div a light purple background (similar to Row 1).
- This should look as follows:

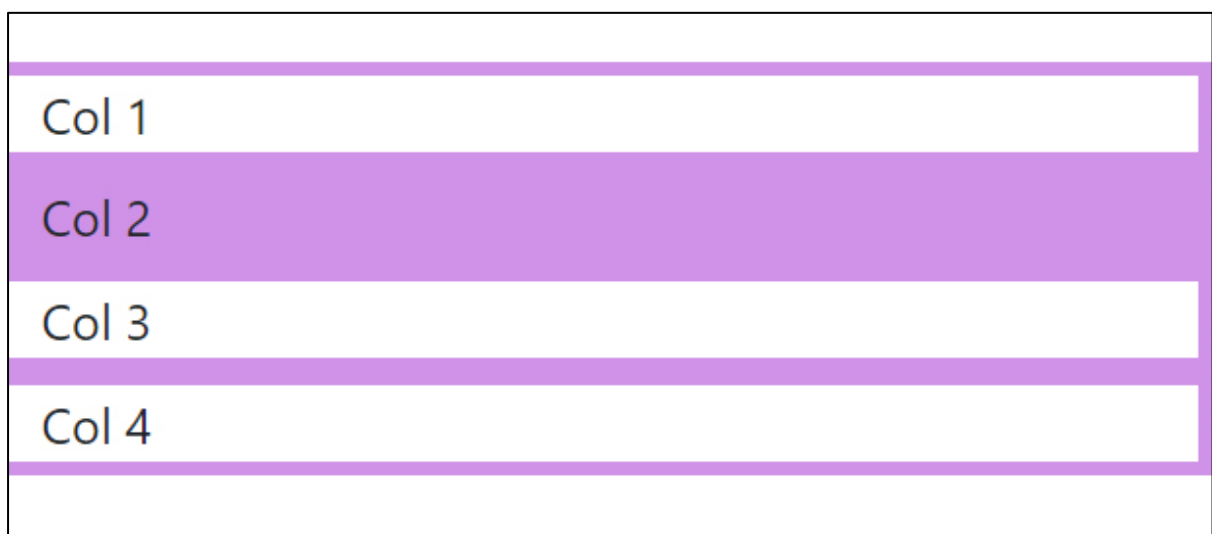
**$\geq 768\text{px}$**



**$\geq 576\text{px}$  and  $< 768\text{px}$**



**$< 576\text{px}$**



## Additional Information

- Refer to the slides as well as the Bootstrap website (<http://getbootstrap.com/>) for help

***Submit only the following file(s) according to the submission instructions.***

- *index.html*
- *style.css*