Set One: Practice with flexbox properties

This is a collection of exercises that test your knowledge of flex container and flex item properties. Each set of exercises have their own folder, like `./header/`, and for each step in a set, there's a new folder.
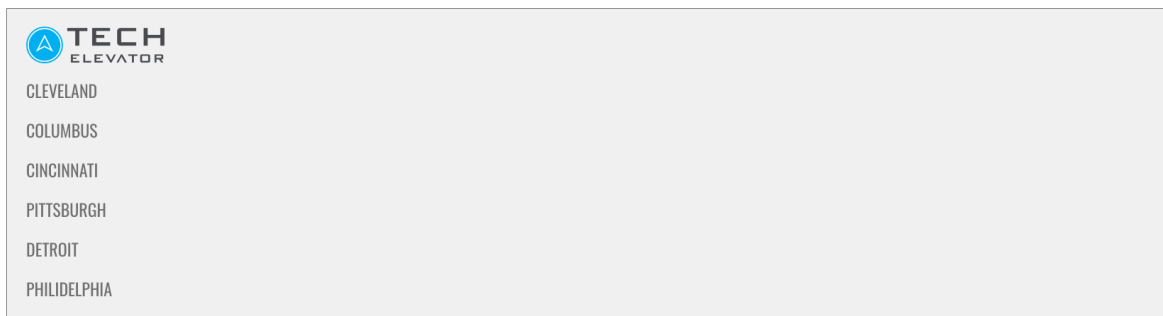
Before you begin

To run the files for each exercise, open the Terminal/Command Prompt and run `live-server`. If you run `live-server` from the folder this README is in, the server lets you navigate to the sub-folders each mini-exercise is located in.
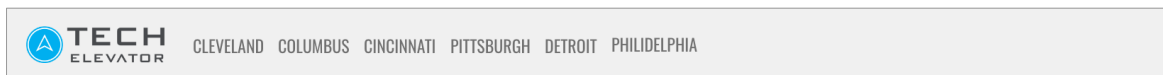
Step One: Adjust header layout

In the header exercises, you'll align several navigation items.

- `header/step-1`: Display all navigation items and logo in a row.
- `header/step-2`: Step one changes, and center align the navigation items.
- `header/step-3`: Step one changes, and right align the navigation items.
- `header/step-4`: Step one changes, and right align the user icon by setting `.spacer` to take up the rest of the available space.

Step Two: Align flex items within a row

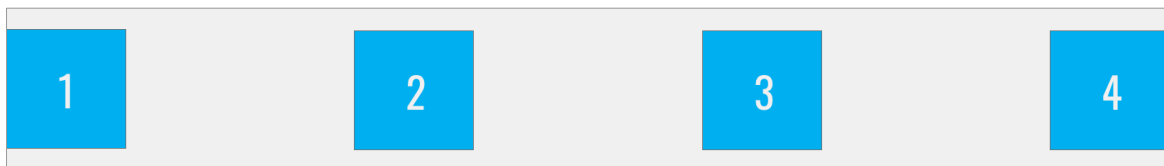In this exercise, you'll align several flex items within a row.

By default all of the boxes are placed in a column

Step One: Align the content on the row so each box has the same space around them.

Step Two: Align the content on the row so each box has the same space between them.

- `align-content-row/step-1`: Align the content on the row so each box has the same space around them.
- `align-content-row/step-2`: Align the content on the row so each box has the same space between them.

Step Three: Align flex items in a column

In this exercise, you'll align several flex items within a column.

The flex container has a height of 500px, by default all of the boxes are placed in a column and stretch to the width of the container
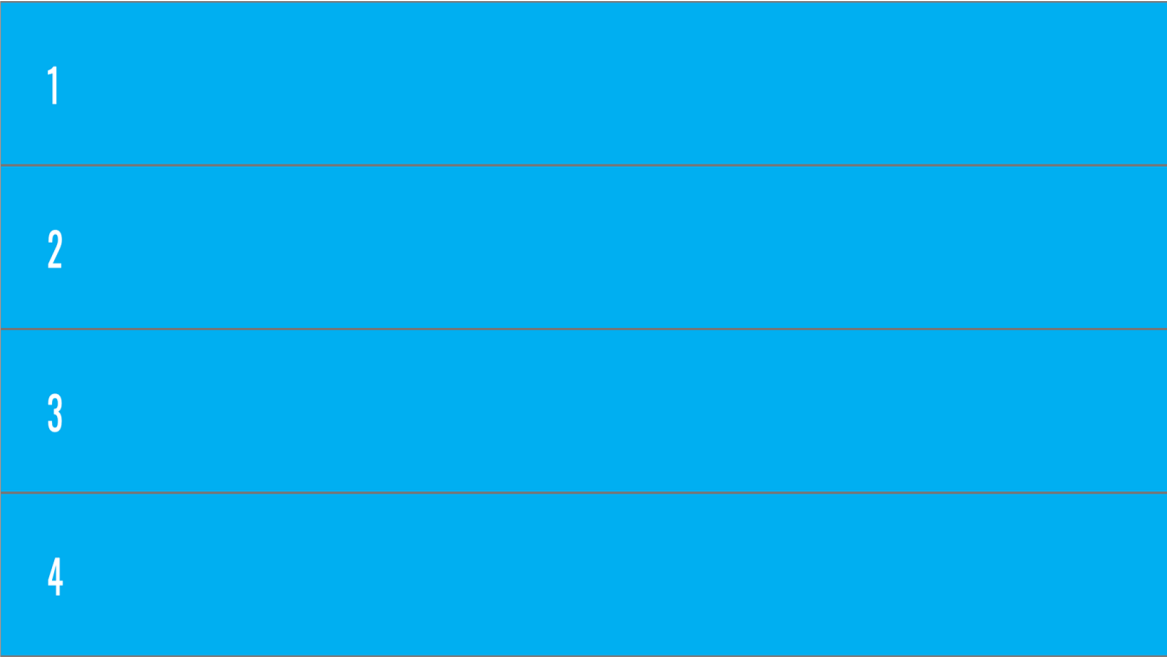
Step One: Align the content in the center of the column.
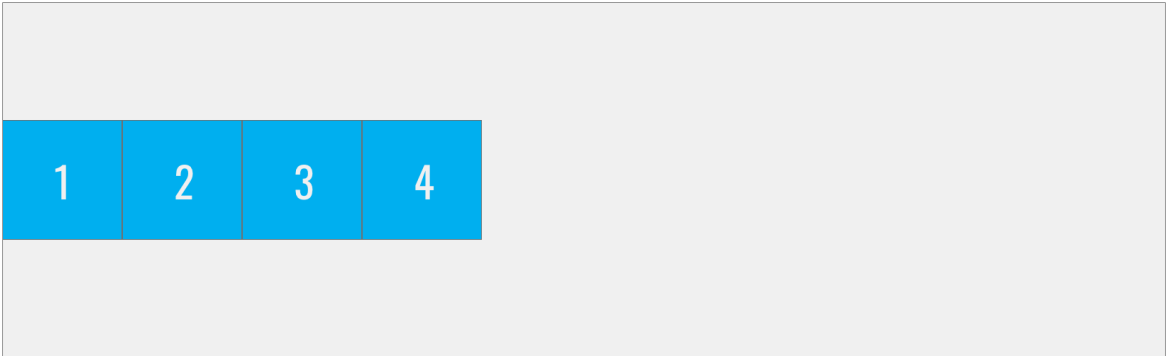
Step Two: Align the content at the end of the column.
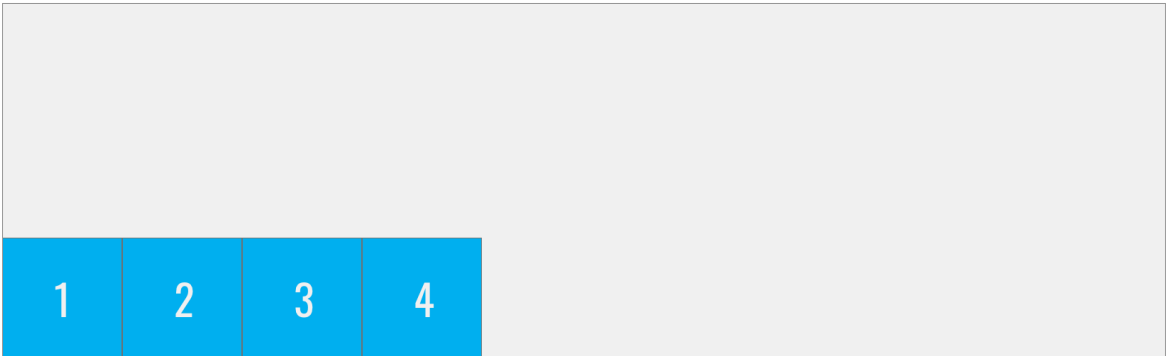
Step Three: Align the content at the start of the column.

Step Four: Align the content in the center of the column and distribute each item with the same amount of space around them.

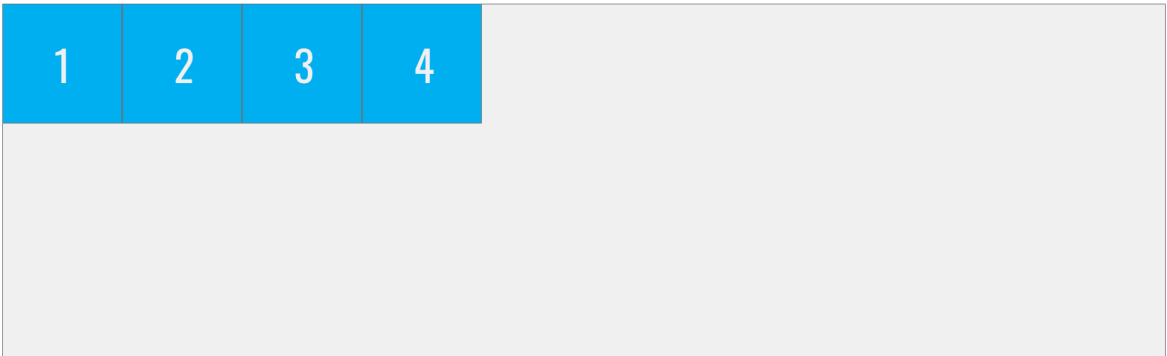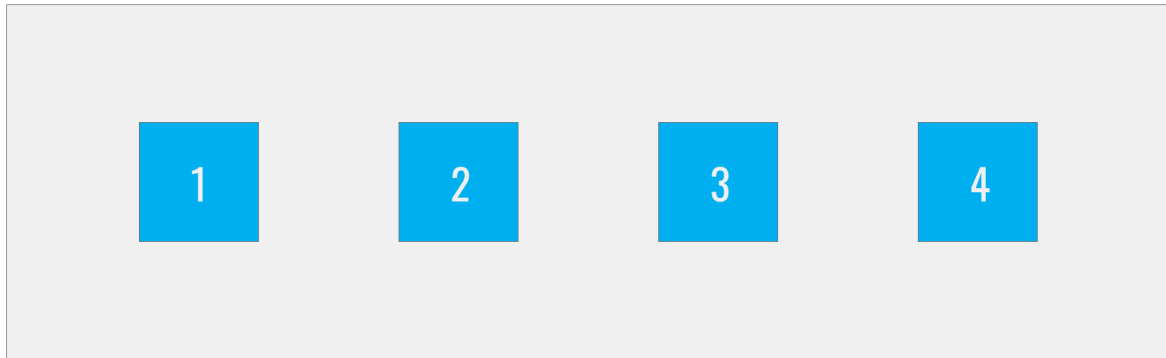- `align-content-column/step-1`: Align the content in the center of the column.
- `align-content-column/step-2`: Align the content at the end of the column.
- `align-content-column/step-3`: Align the content at the start of the column.
- `align-content-column/step-4`: Align the content in the center of the column, and distribute each item with the same amount of space around them.
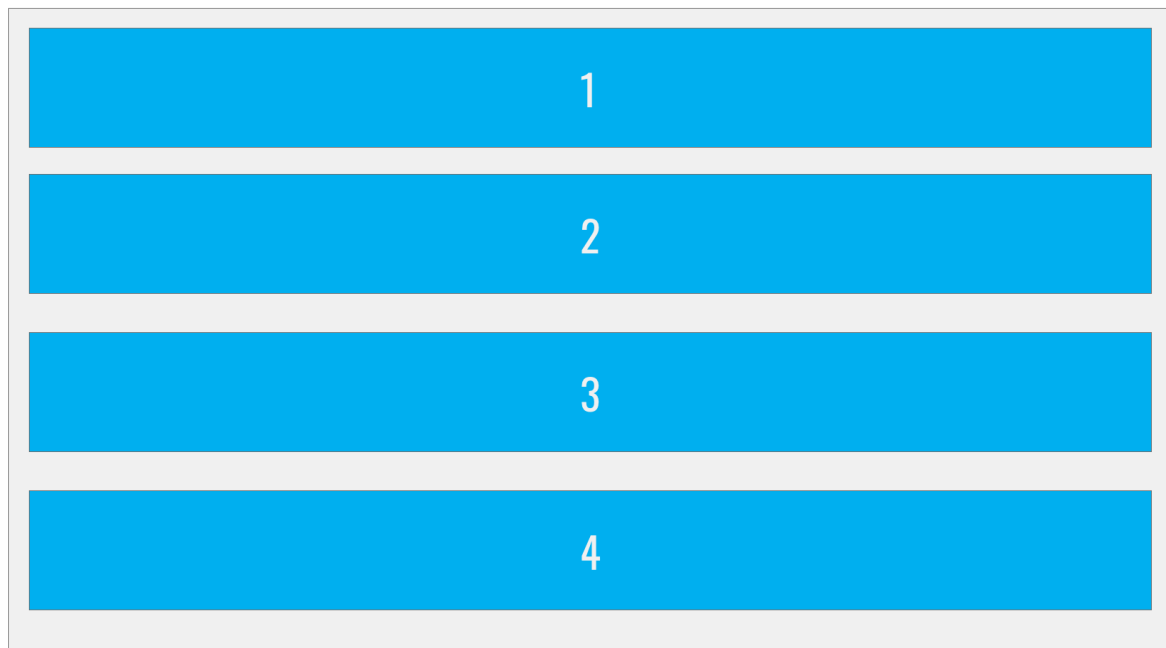
Step Four: Size flex items

In this exercise, you'll size several flex items with `flex-grow`, `flex-basis`, and `flex-shrink`.

By default all of the boxes are placed in a column

Step One: Each of the flex items should grow to fit the container.

Step Two: The 2nd and 4th items should grow twice as much as the other items which are to grow to fit the container.
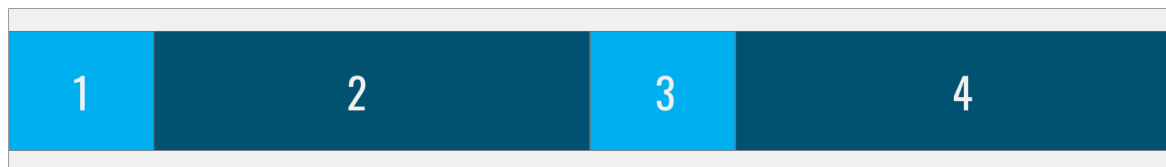
- `flex-items-size/step-1`: Each of the flex items must grow to fit the container.
- `flex-items-size/step-2`: The second and fourth items must grow twice as much as the first and third items. The first and third items must grow to fit the container.

Step Five: Wrap flex items

In this exercise, you'll wrap flex items when their width exceeds that of their container.

By default all of the boxes will be forced on to one line. In this case the flex container is only 200px and the width of the flex-items are greater than their container.
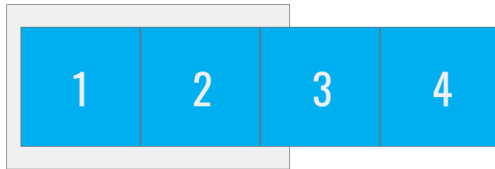
Step One: The flex-items should wrap to the next line if their total width is greater than the container.
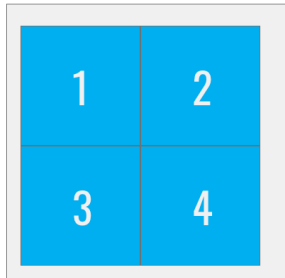
- `flex-wrap/step-1`: The flex-items must wrap to the next line if their total width is greater than the container.

Step Six: Order flex items

In this exercise, you'll order elements on a page without changing the HTML markup.

The normal order of the flex-items has the image first and the content second.

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Step One: Place the 2nd image to the right of the content without changing the markup.

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- `flex-order/step-1`: Place the second image to the right of the content without changing the markup.