# nology

TALENT IN **TECH**NICOLOUR

Flexbox

# Aims of the session

What is Flexbox and how can we use it?



# Why?

- Flexbox gives us an easy, more reliable way of designing the layout of your webpage.
- With less faff, not having to use position (relative/absolute etc.), flexbox is really time efficient for creating responsive layouts.



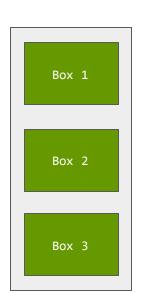


### **CSS Flexbox**

- Uni directional layout model
- Horizontal or vertical
- Makes building responsive layouts easier
- Use flexbox to help solve alignment, scale or ordering issues in one dimension



flex-direction: row;







# **CSS Flexbox options**

CSS property	Options	Description
display	flex	Sets the container to use flexbox layout
flex-direction	row   row-reverse   column   column- reverse	Direction to list items → ↓ ↑
flex-wrap	Nowrap   wrap   wrap-reverse	If and how to wrap content items
justify-content	flex-start   flex-end   center   space- between   space-around   space-evenly	How to distribute the items in the container
align-items	stretch   flex-start   flex-end   center	How to align the content items



### Resources

- https://developer.mozilla.org/en-US/docs/Web/CSS/CSS\_Flexible\_Box\_Layout/Basic\_Concepts\_of\_Flexbox
- https://css-tricks.com/almanac/properties/j/justify-content/
- https://flexboxfroggy.com/
- <a href="https://medium.com/javascript-in-plain-english/5-fun-games-to-learn-css-concepts-34fdbdd0d00a">https://medium.com/javascript-in-plain-english/5-fun-games-to-learn-css-concepts-34fdbdd0d00a</a>





## Challenge #1

Emulate the screenshot image. First you will need to create the elements on the page in html and css before using flexbox.
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Link #2
Link #3
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#### Panel #1

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e a github pages link from this to the extension challenge. No

#### Link #3

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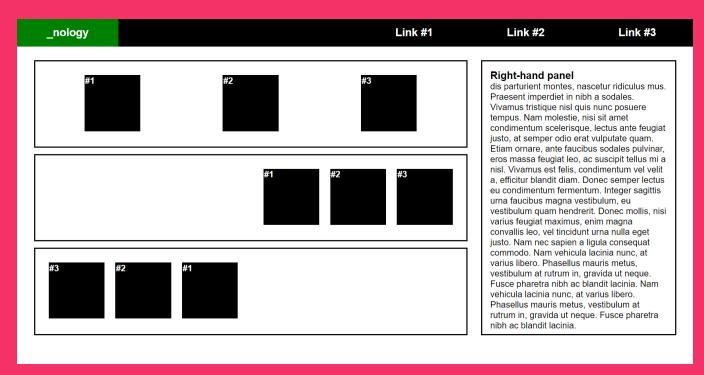
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# **Challenge #1 Extension**

Build on the code you've already been working on for the previous challenge, to emulate the following screenshot.





# Challenge #2

Go back to your Web Fundamentals Palace website we were working on for html and css, and use flex to emulate the following layout.

- 1. Position the king and queen, the children, and Susan using Flexbox to look like main (screenshot here).
- **2. Extension:** add in the lines between the family tree using span tags.



