LESSON 7

index.html

```
.center {
  display: flex;
  justify-content: center;
  align-items: center;
}
```

</>

Flexbox

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HTML & CSS

LESSON 7

Flexbox

display flex, main and cross axis, justify-content, align-items, gap, wrap and flex-grow

display: flex

style.css

```
.nav {
  display: flex;
  gap: 1rem;
}
/* <nav class="nav">
     <a>Home</a> <a>Tours</a> <a>Contact</a>
   </nav>  →  Home  Tours  Contact */
```

- Set display flex on a container and its children line up in a row. Flexbox lays items out …
- It is perfect for navigation bars, toolbars, cards in a row and centering things.

01

Main Axis and Cross Axis



- flex-direction sets the main axis: row runs across, column runs down. The cross axis is ...
- justify-content aligns items along the main axis, and align-items along the cross axis. In ...

02

justify-content and align-items

style.css

```css
.header {
  display: flex;
  justify-content: space-between;   /* logo left, nav right */
  align-items: center;
}
.hero {
  display: flex;
  justify-content: center;
  align-items: center;              /* perfectly centered */
  min-height: 100vh;
}
```

- justify-content can be flex-start, center, flex-end, space-between, space-around or …
- Centering anything, horizontally and vertically, is now three lines.

03

flex-grow, flex-shrink and flex-basis

style.css

```css
.layout { display: flex; gap: 2rem; }
.sidebar { flex: 0 0 250px; }   /* don't grow, don't shrink, 250px */
.content { flex: 1; }           /* take the rest */

.buttons button { flex: 1; }    /* equal-width buttons */
```

- flex is shorthand for grow, shrink and basis. flex one makes items share the free space …
- Give the main content flex one and the sidebar a fixed width, and the content fills …

04

flex-wrap and gap

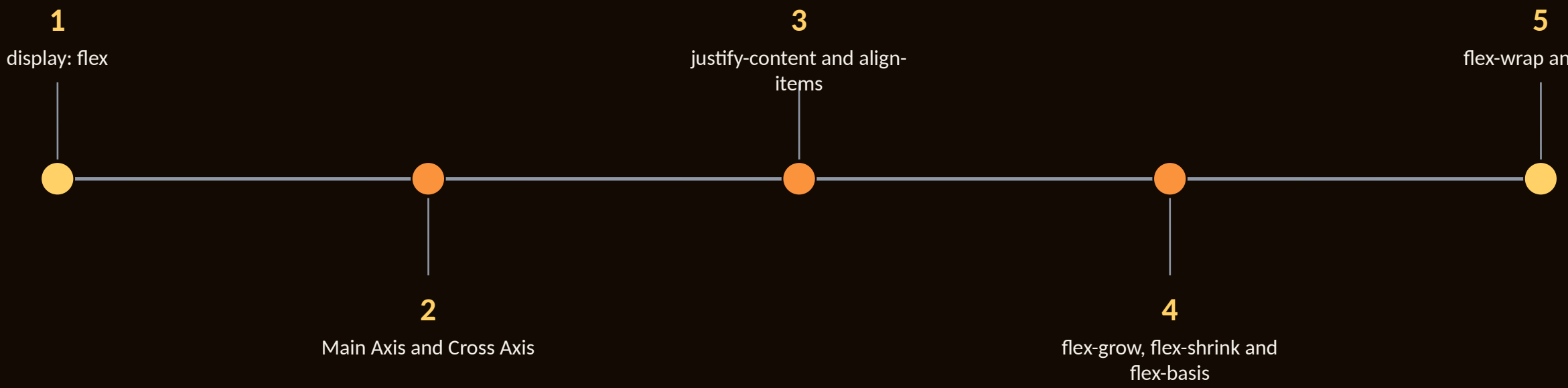
style.css

```css
.cards {
  display: flex;
  flex-wrap: wrap;
  gap: 1.5rem;
}
.card {
  flex: 1 1 280px;     /* at least 280px, then share space */
}
```

- By default flex items squeeze onto one line. flex-wrap wrap lets them flow onto new lines …
- gap adds space between items without margin tricks. Combined with flex-basis, this makes a …

05

Lesson Map


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display: flex
2
Main Axis and Cross Axis
3
justify-content and align-items
4
flex-grow, flex-shrink and flex-basis
5
flex-wrap and gap

Sources and Further Reading

style.css

```
.nav {
  display: flex;
  gap: 1rem;
}
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style.css

```
.header {
  display: flex;
  justify-content: space-between;   /* logo left, nav right */
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}
.hero {
  display: flex;
  justify-content: center;
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  min-height: 100vh;
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```

Thank you for watching

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