



Intro to CSS and Flexbox

Deep dive into the concepts of CSS Flexbox





About the speaker



I am just another guy who is into development, tech blogging, self-help blogging, podcasting, mentoring, teaching, startups, community building, but most of it, still exploring life ^.^

Find the slides at: madhavbahl.tech/learn-flexbox



Before we start...



Clone this repo for boilerplate
<https://github.com/MadhavBahlMD/flexbox-webinar>



Why Meetups and Webinars?

When you can learn everything on Google!



Find like minded
people, network with
them, increase your
knowledge!



A chance to discuss
about new trends,
topics and
advancements in tech



Today's Agenda

1. Intro to CSS
2. Two axes of flexbox
3. Parent Element - Flex Container
 1. Flex direction
 2. Justify content
 3. Align Items
 4. Flex Wrap & Flex Flow
 5. Align Content
- 4 Child Elements - Flex Items
 1. Order
 2. Align self
 3. Flex grow
 4. Flex Shrink
 5. Flex basis
 6. Flex



<https://flexboxfroggy.com/>

Let's play a game!

Find the slides at: madhavbahl.tech/learn-flexbox



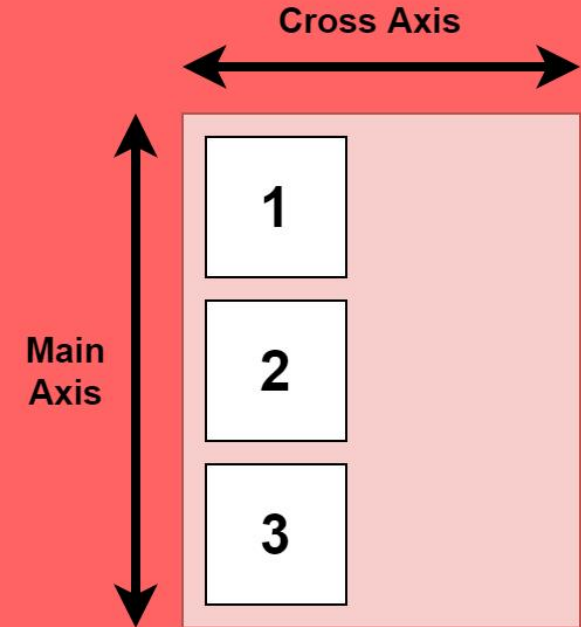
Part 1 Flexbox Axes



Flexbox Axes



Flex-Direction: Row



Flex- Direction: Column



Part 2 - Parent element

Flex container



Flex container properties...

1. Flex direction
2. Justify content
3. Align Items
4. Flex Wrap & Flex Flow
5. Align Content



Flex Direction

flow-direction: row

Item 1

Item 2

Item 3

Item 4

Item 5

flow-direction: row-reverse

Item 5

Item 4

Item 3

Item 2

Item 1



Flex Direction

flow-direction: column

Item 1

Item 2

Item 3

Item 4

Item 5



Flex Direction

flow-direction: column

Item 5

Item 4

Item 3

Item 2

Item 1



Justify Content

justify-content: flex-start

Item 1

Item 2

Item 3

Item 4

Item 5

justify-content: flex-end

Item 1

Item 2

Item 3

Item 4

Item 5



Justify Content

justify-content: center

Item 1

Item 2

Item 3

Item 4

Item 5

justify-content: space-around

Item 1

Item 2

Item 3

Item 4

Item 5



Justify Content

justify-content: space-between

Item 1

Item 2

Item 3

Item 4

Item 5



Align Items

align-items: flex-start

Item 1 Item 2 Item 3 Item 4 Item 5

align-items: flex-end

Item 1 Item 2 Item 3 Item 4 Item 5

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Align Items

align-items: center

Item 1 Item 2 Item 3 Item 4 Item 5

align-items: stretch

Item 1 Item 2 Item 3 Item 4 Item 5



Align Items

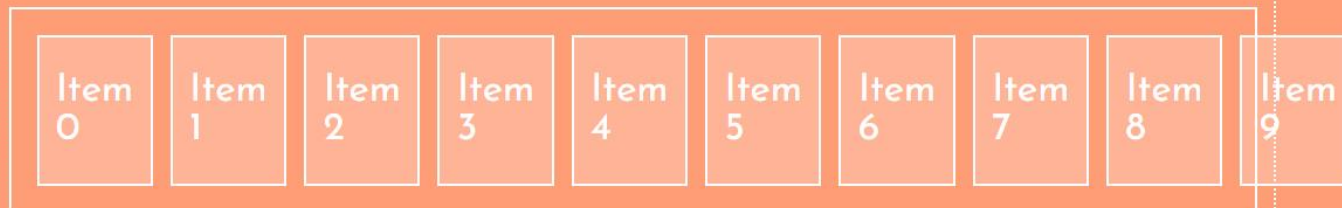
`align-items: baseline`

Item 1 Item 2 Item 3 Item 4 Item 5

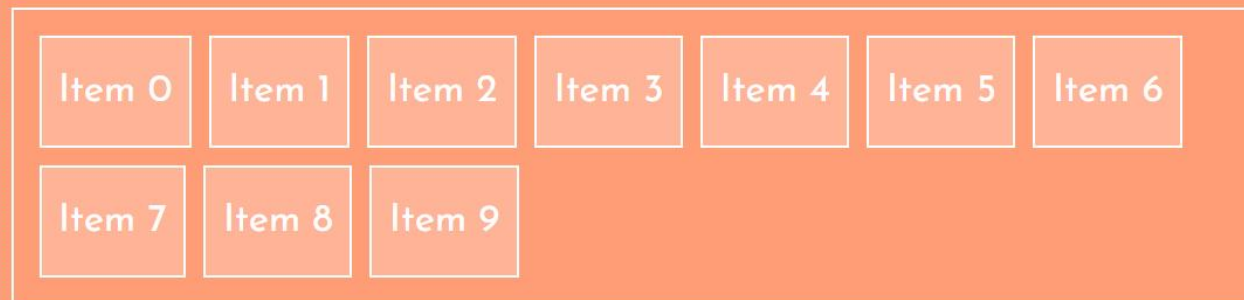


Flex Wrap

flex-wrap: nowrap



flex-wrap: wrap

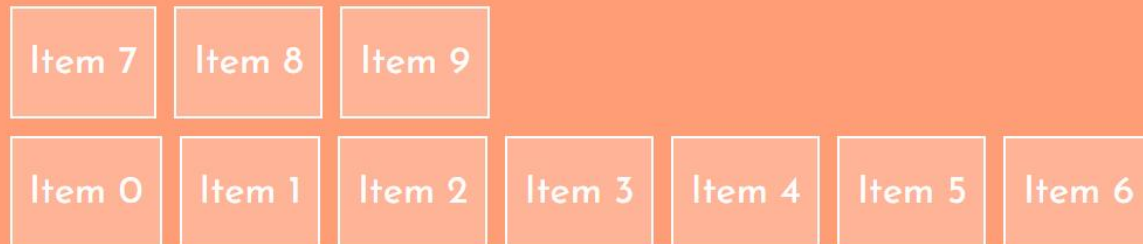


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Flex Wrap

flex-wrap: wrap-reverse





Align Content

align-content: flex-start

Item 0

Item 1

Item 2

Item 3

Item 4

Item 5

Item 6

Item 7

Item 8

Item 9



Align Content

align-content: flex-end





Align Content

align-content: center

Item 0

Item 1

Item 2

Item 3

Item 4

Item 5

Item 6

Item 7

Item 8

Item 9



Align Content

align-content: space-around

Item 0

Item 1

Item 2

Item 3

Item 4

Item 5

Item 6

Item 7

Item 8

Item 9



Align Content

align-content: space-between

Item 0

Item 1

Item 2

Item 3

Item 4

Item 5

Item 6

Item 7

Item 8

Item 9



Part 3 - Child Elements

Flex items



Order

all items have order 0

Item 1

Item 2

Item 3

Item 4

Item 5

Item 2 has order 1 & Item 4 has order -1

Item 4

Item 1

Item 3

Item 5

Item 2



Order

Item 1 has order 1 & Item 2 has order 2

Item 3

Item 4

Item 5

Item 1

Item 2



Align Self

Item 2 is aligned "flex-start"

Item 1

Item 2

Item 3

Item 4

Item 5



Align Self

Item 2 is aligned "flex-end"

Item 1

Item 3

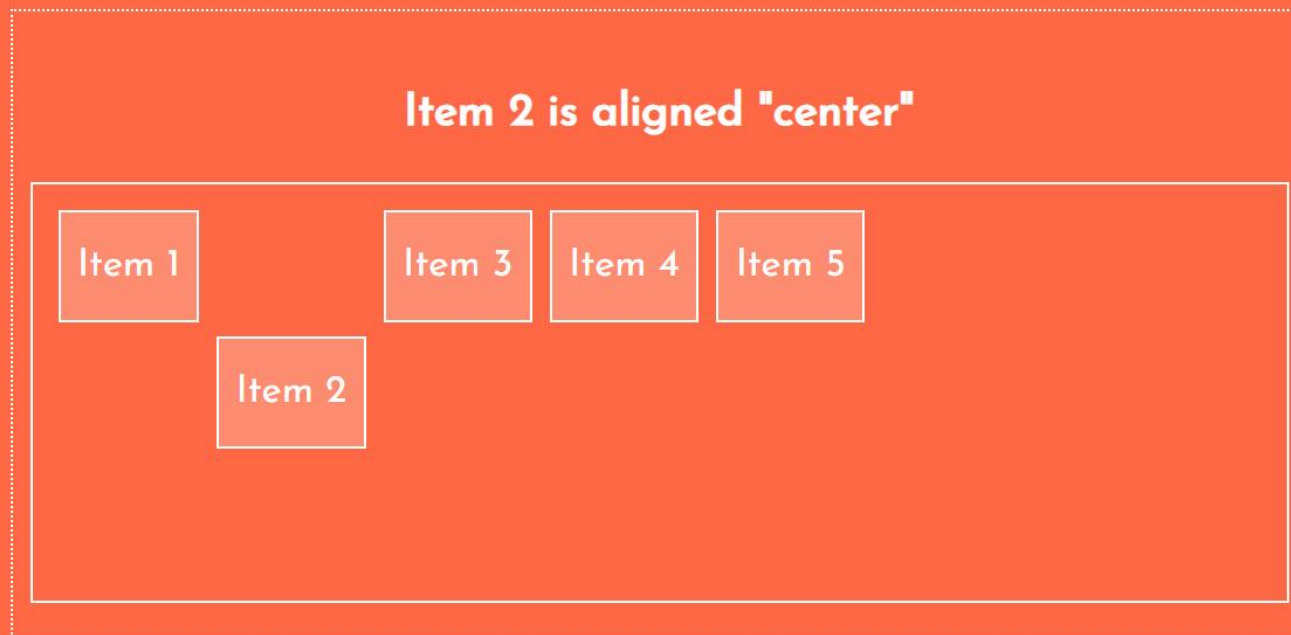
Item 4

Item 5

Item 2



Align Self





Align Self

Item 2 is aligned "stretch"

Item 1

Item 2

Item 3

Item 4

Item 5



Flex Grow

All items have flex grow 0



All items have flex grow 1





Flex Grow

Item 1 & 2 has 1, Item 3 has 4

Item 1

Item 2

Item 3



Flex Shrink

All items have flex shrink 1 (default)



Do not let item 2 shrink





Flex Shrink

Item 2 is allowed to shrink more than 1, and 3 is allowed to shrink more than 2





Flex Basis

Item 2 has width of 200px. flex-basis: 200px;



All items have initial width of 33% - flex-basis: 33%;





Flex

Everything default - flex: 0 1 auto;

Item 1

Item 2

Item 3

flex: 1 1 25%

Item 1

Item 2

Item 3



<http://madhavbahl.tech/flex/>

See it in action!

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Let's connect?



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THANK YOU