Animations & Responsiveness - Class I

Special class

Love Babbar • Jan 17, 2023

Audible

Visible

create

row & col

span

h/w

Grids & Responsiveness

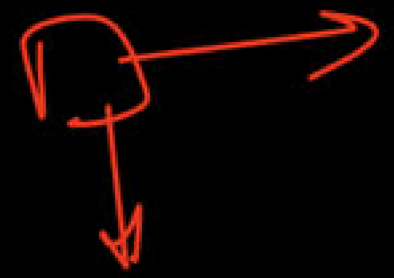
→ ?

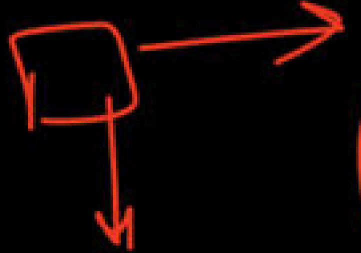
grid-area

Instructor - Love Babbar

Grid-area

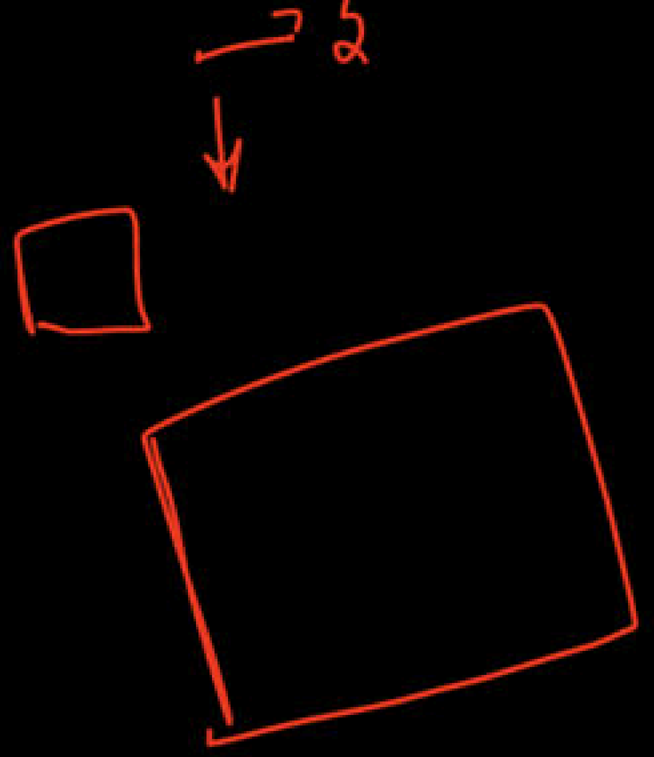
The grid-area property specifies a particular area or set of rows and columns that a grid item occupies. It is applied to the grid item itself with CSS. Here is an example:

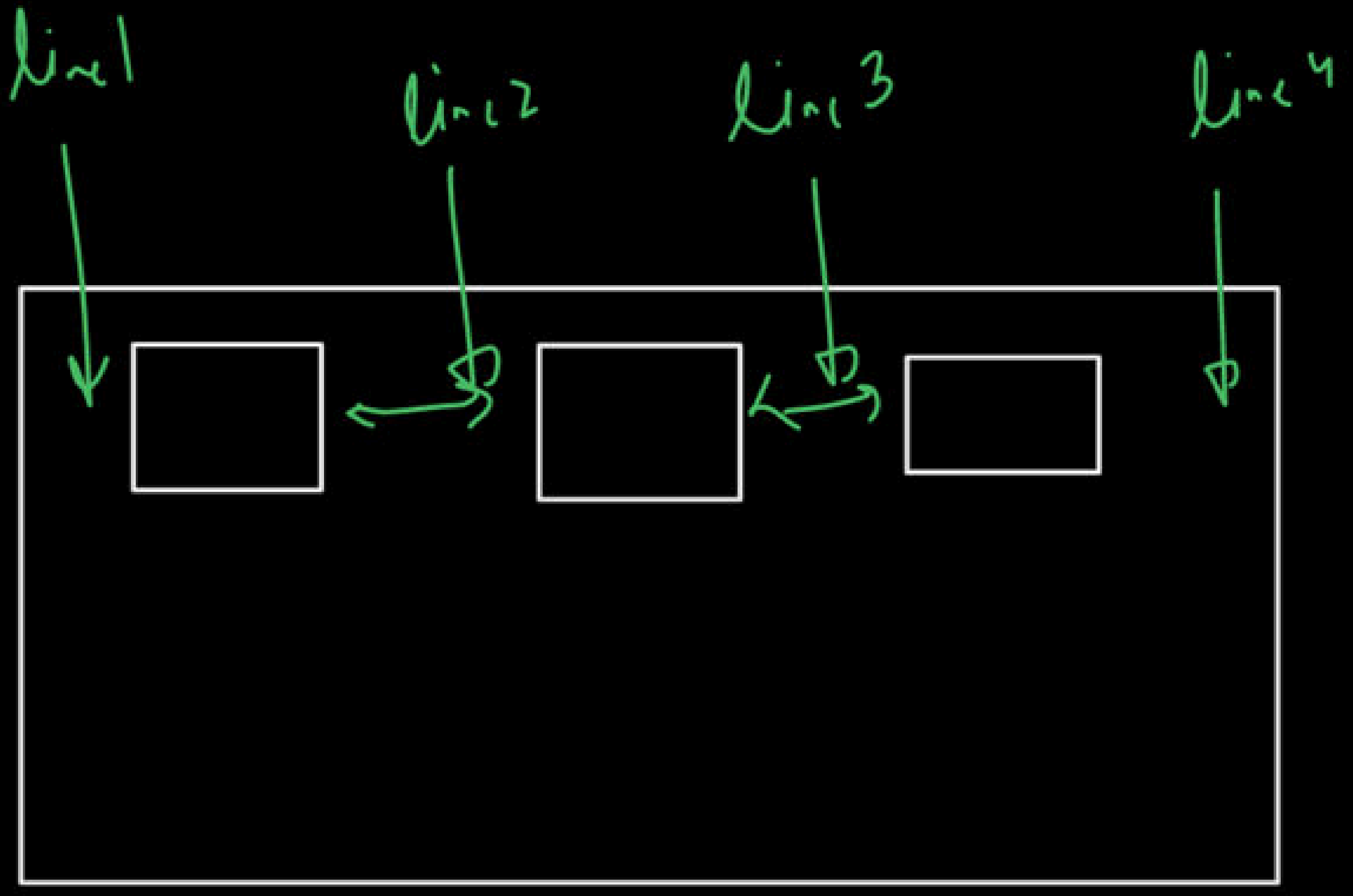


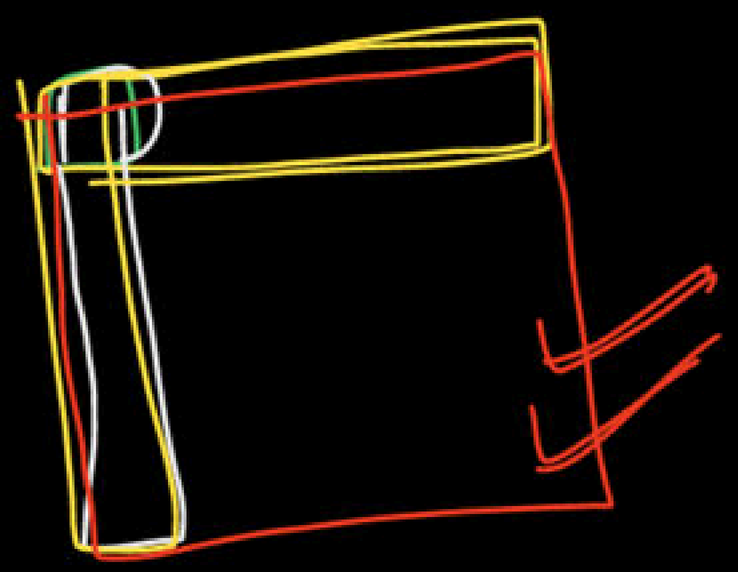


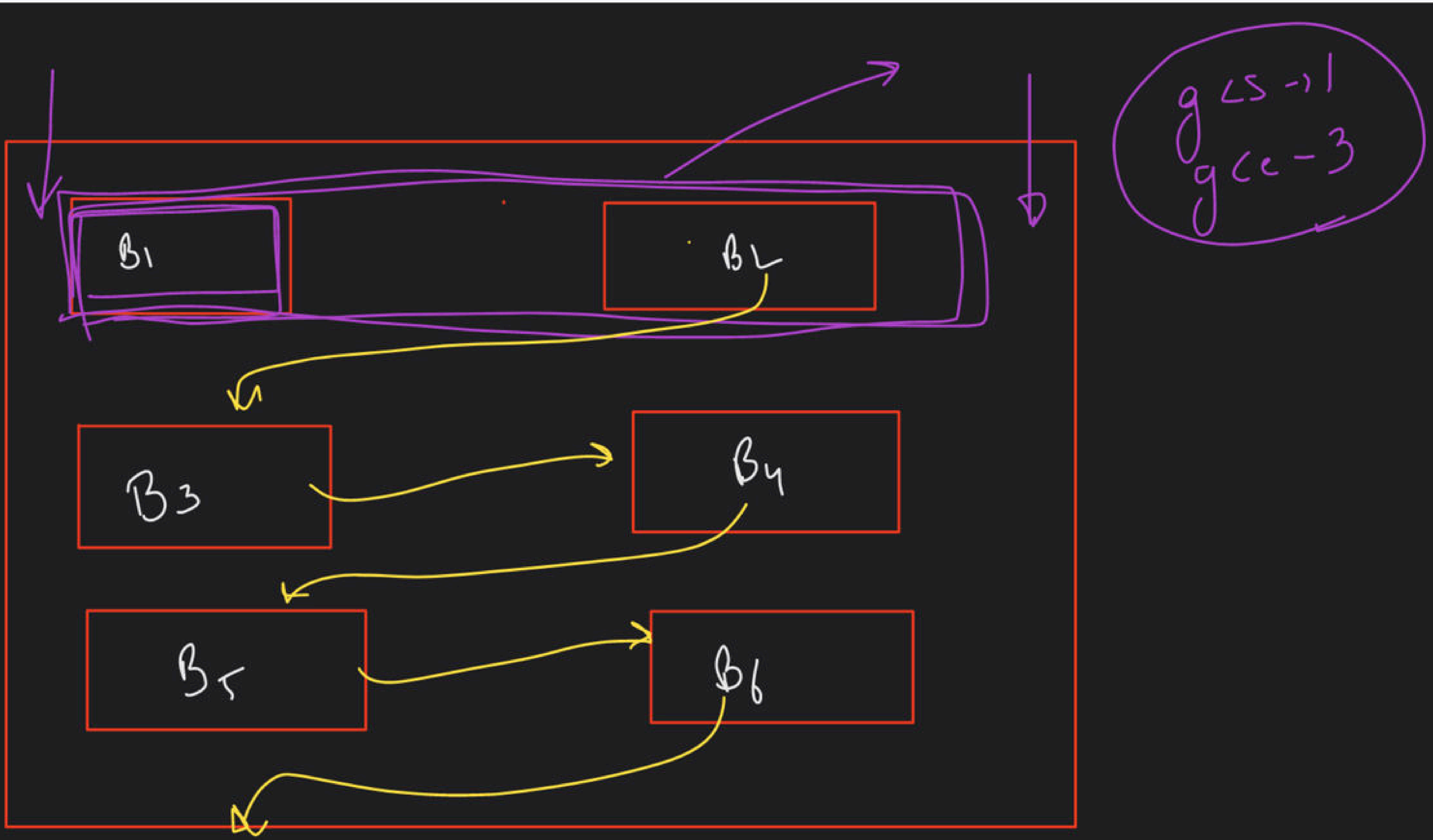
grid row start →
grid row end →
grid col start →
grid col end →

- .item { grid-area: 1/2/3/3 }
- Because grid-area is shorthand for the properties: grid-row-start, grid-column-start, grid-row-end and grid-column-end, the code above places the item from rows 1-3, and columns 2-3.

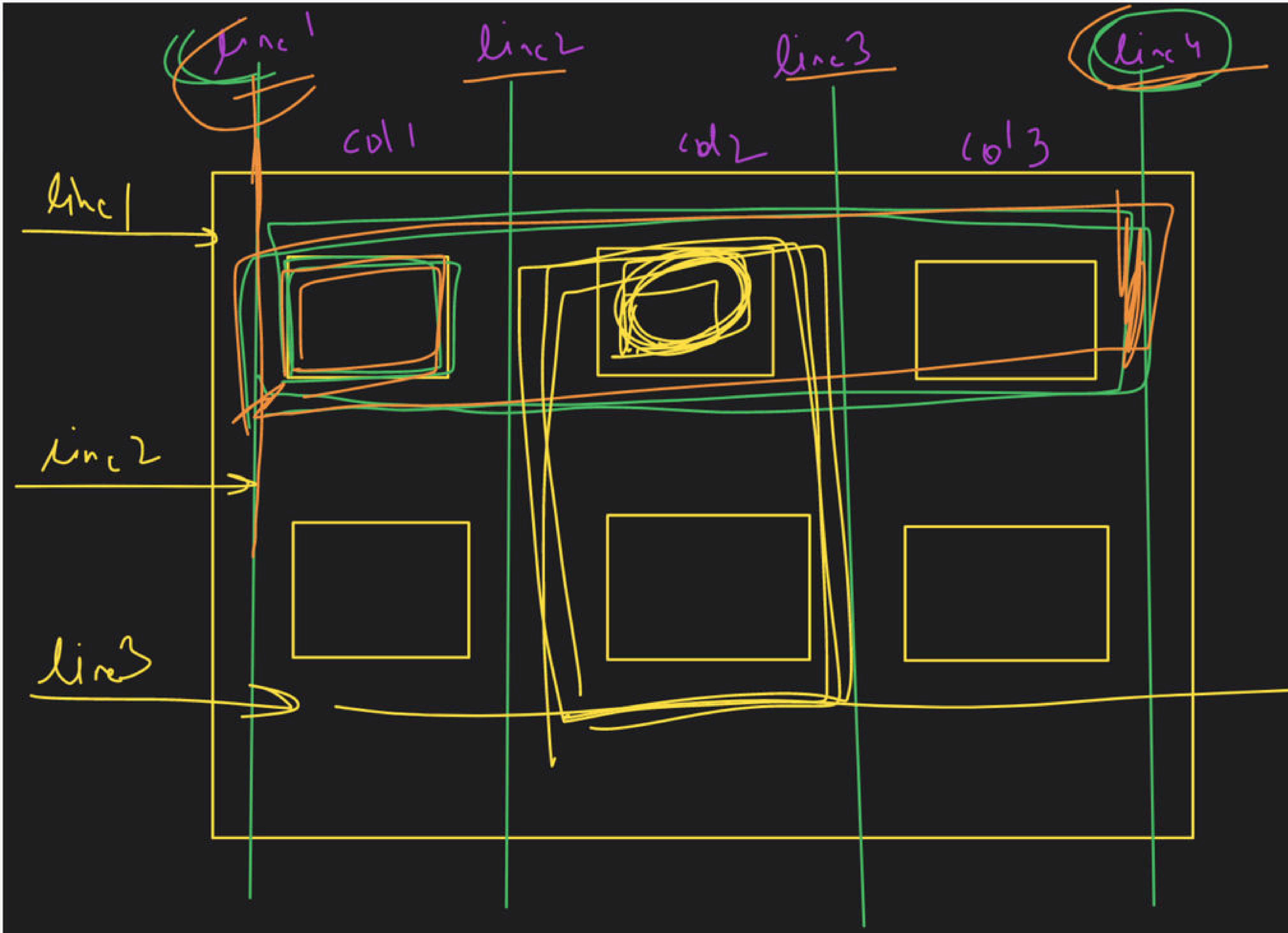








B1
B2
B3
B4
B5
B6
g<s->1
g<e-3

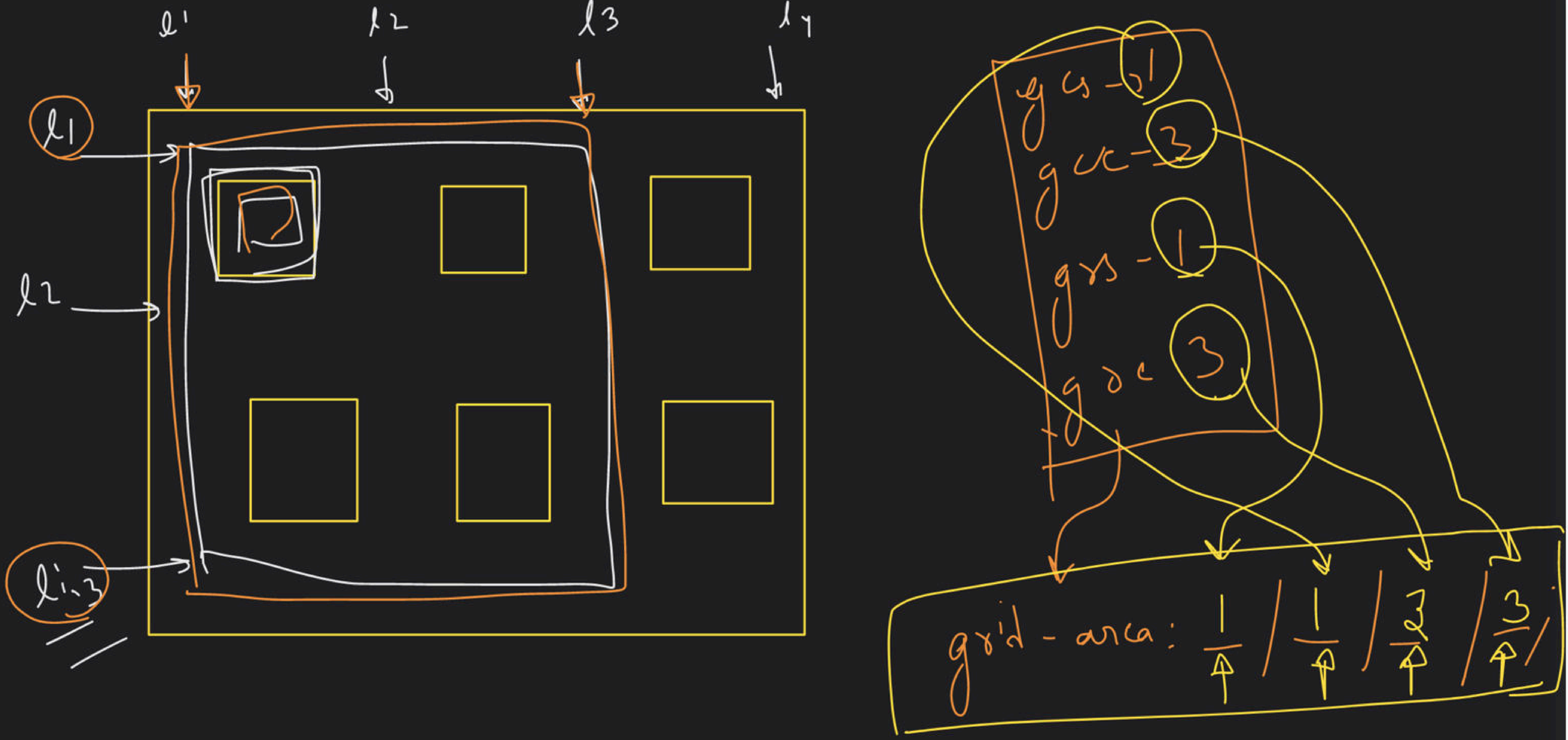


grid-column-start : 1

grid-column-end : 4

grs → 1

grs → 3

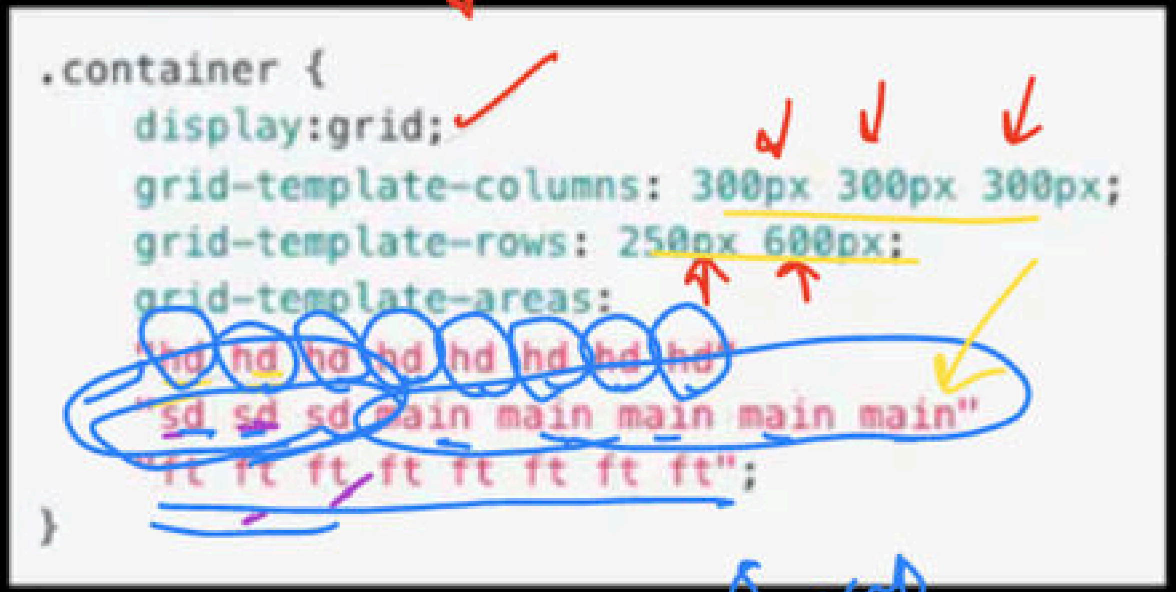

l1
l2
l3
l4
l1
l2
l1,3
2
gcs - 1
gce - 3
grs - 1
gre - 3
grid-area: 1 / 1 / 3 / 3 /

Grid-template-area:

grid-template-areas is the property used to name the rows and columns of a grid and to set its layout. It could look like this:

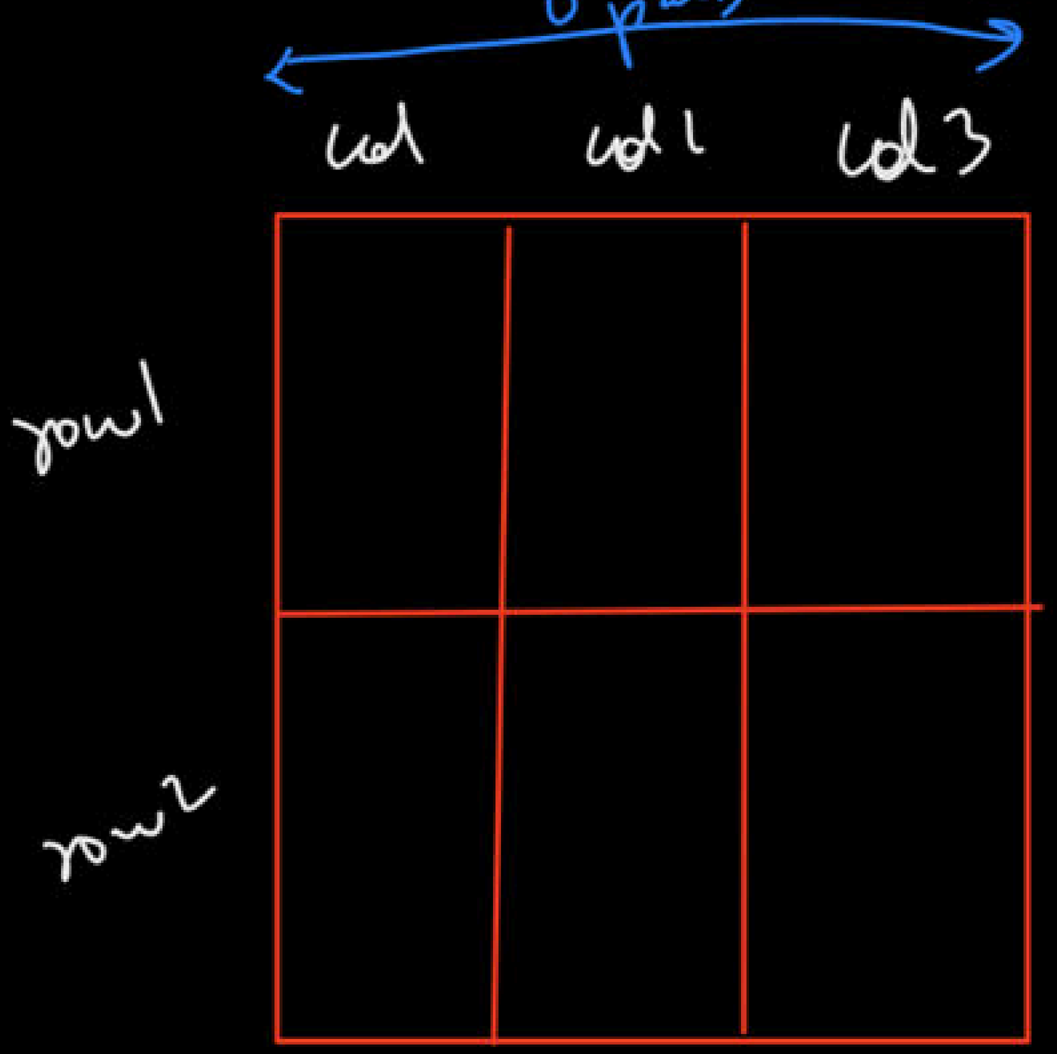
3 col

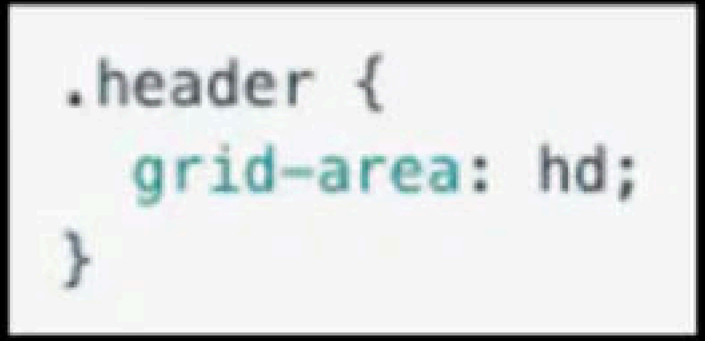
2 row



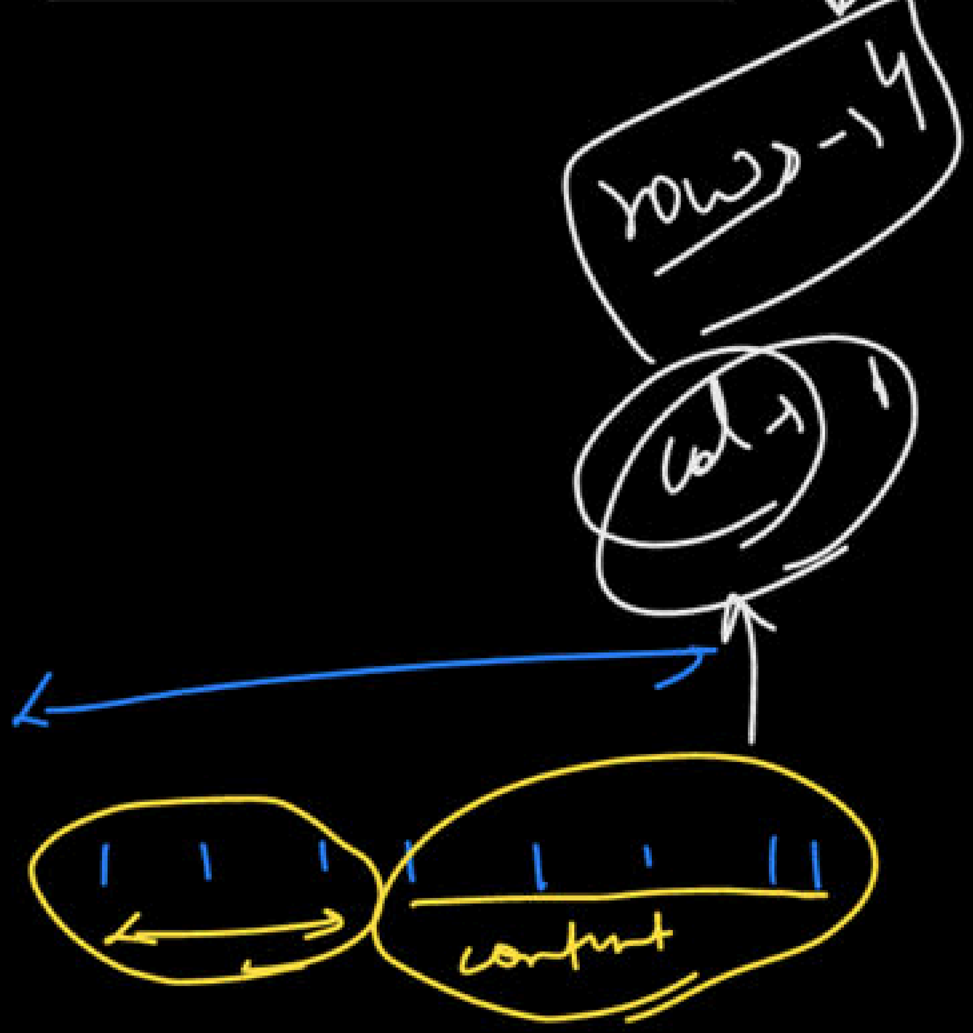
```
.container {
    display:grid;
    grid-template-columns: 300px 300px 300px;
    grid-template-rows: 250px 600px;
    grid-template-areas:
    "hd hd hd hd hd hd hd hd"
    "sd sd sd main main main main main"
    "ft ft ft ft ft ft ft ft";
}
```

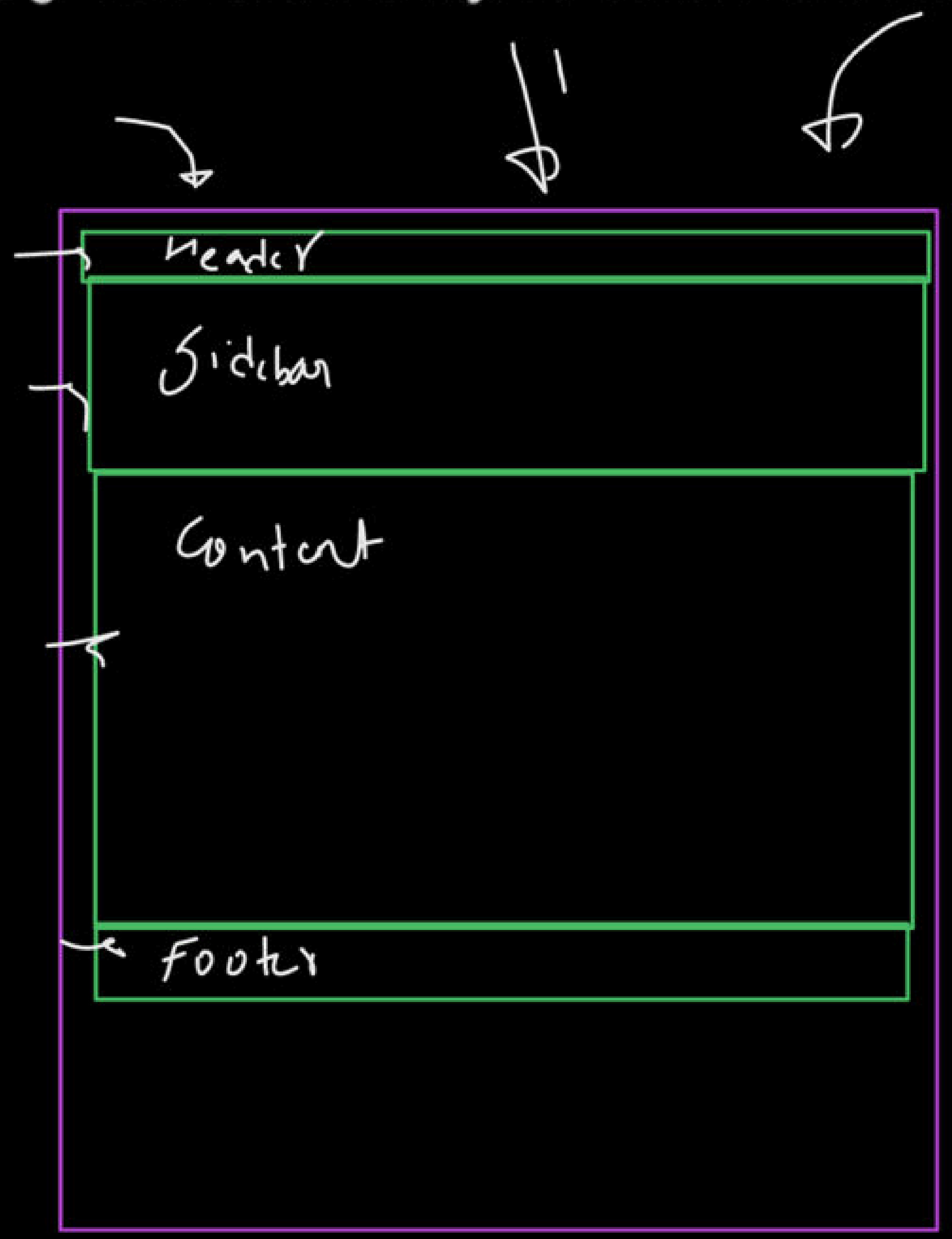
8 part

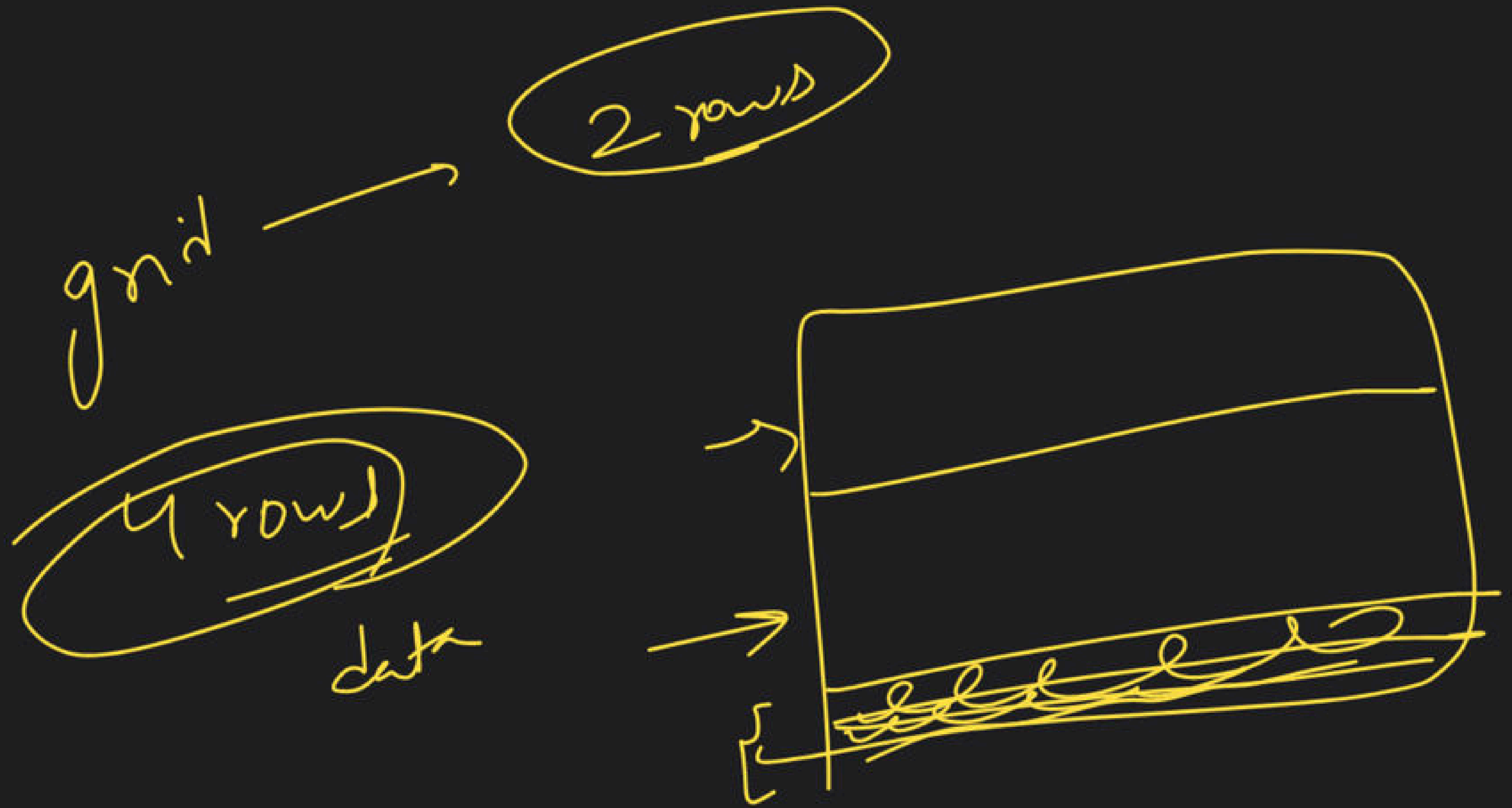


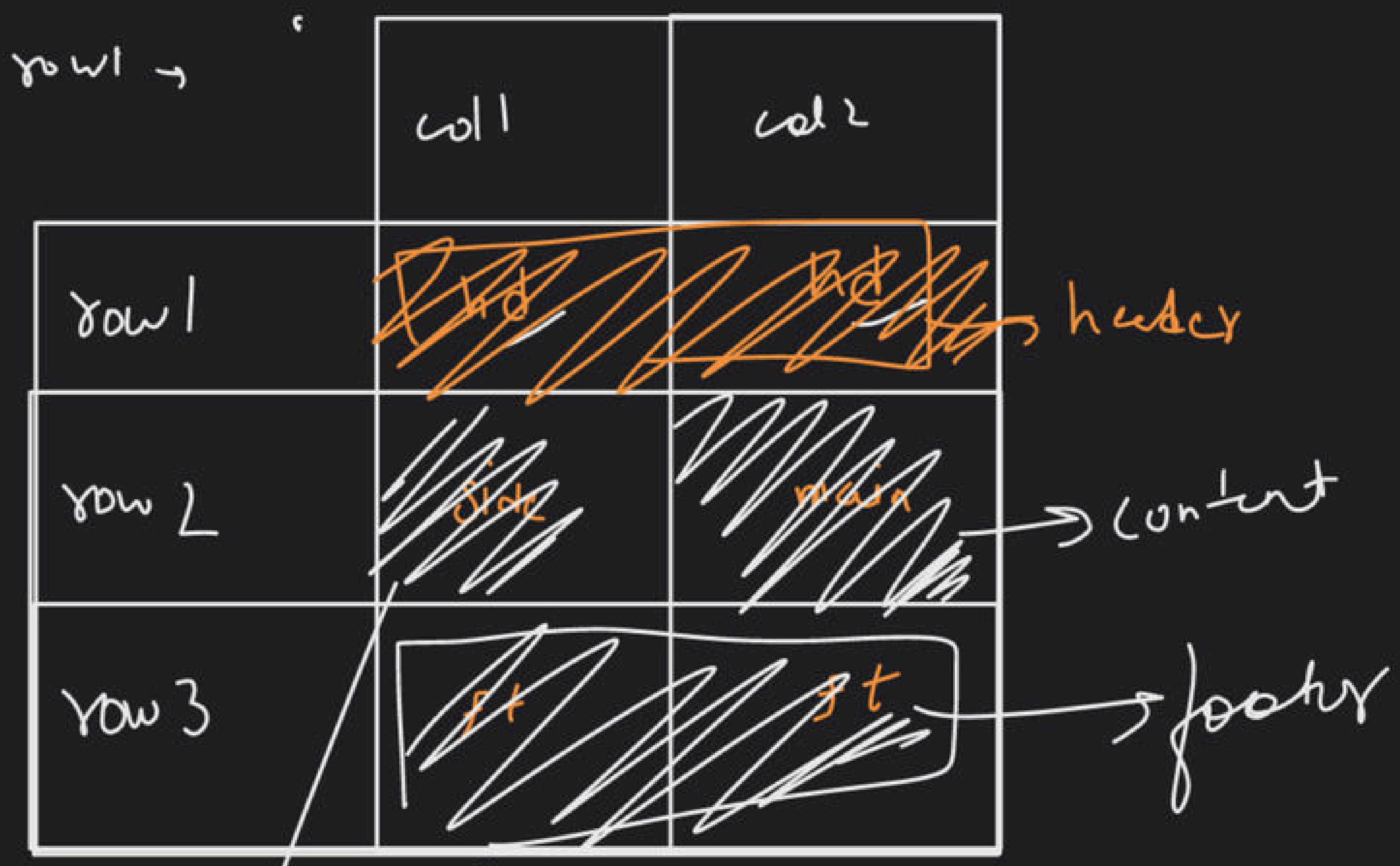


```
.header {
  grid-area: hd;
}
```






grid
2 rows
4 rows
data



```
#header
{
    grid-area: hd;
}
```

[illegible]

support@codehelp.in

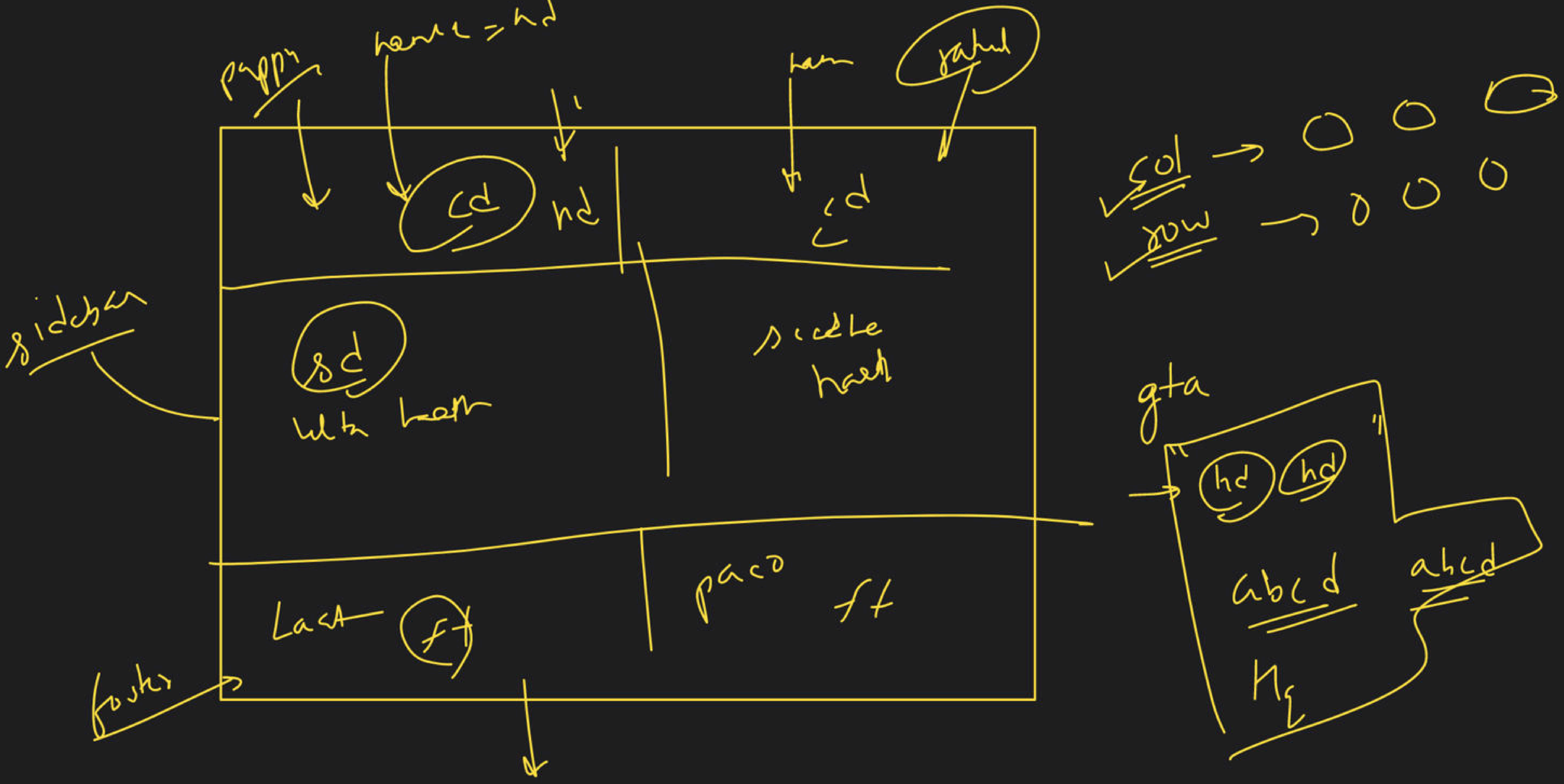
lovebabbar@

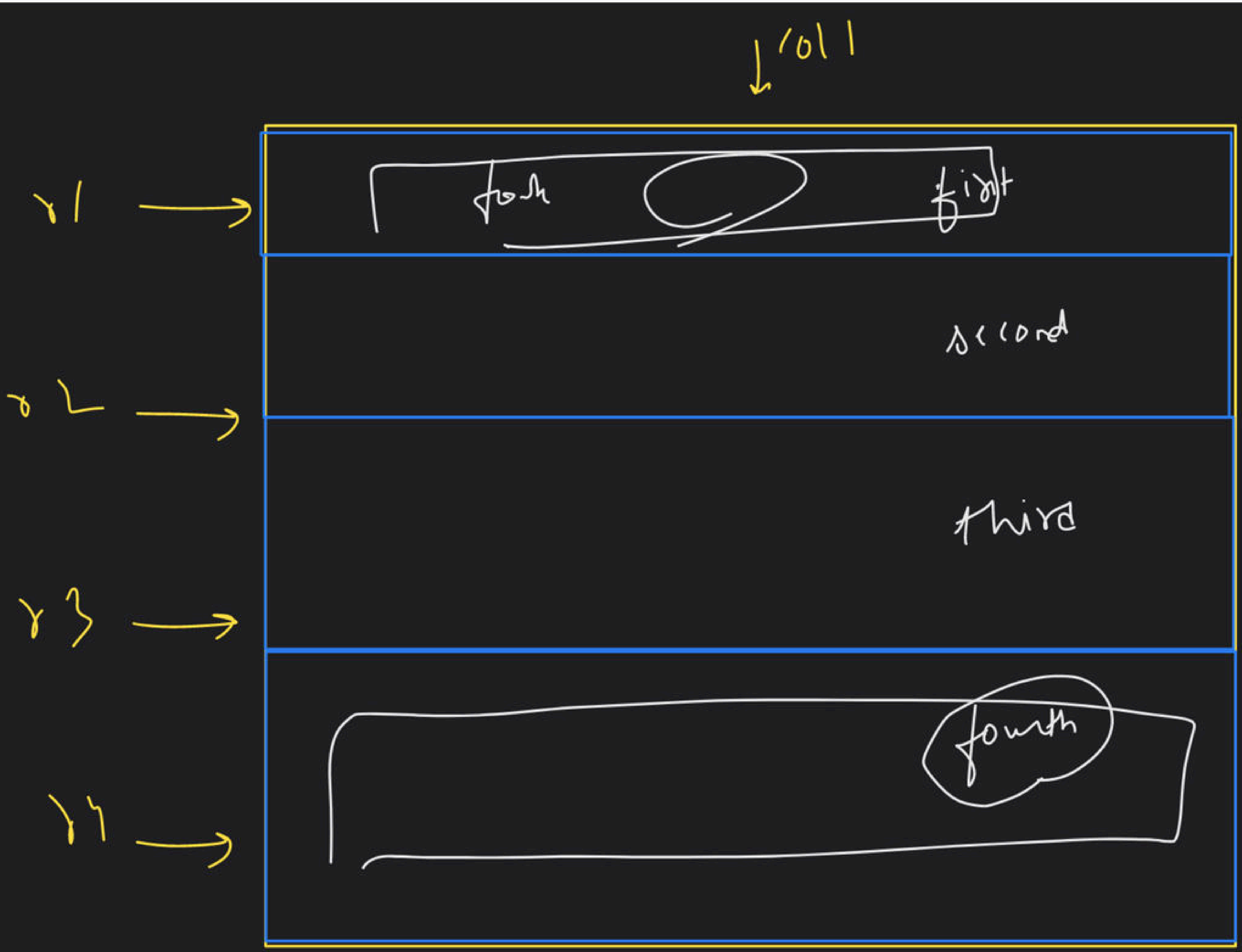
```
#sidebart

#footer
{
    grid-area: ft
}
```

```
#sidebar
{
    grid-area: side
}
```

~~#side~~

```
#content
{
    grid-area: main;
}
```


puppy
header = hd
ram
rahul
cd
hd
cd
sidebar
sd
ulta haath
sidha haath
footer
Lasa
ft
paco
ft
col
row
gta
"
"
hd
hd
abcd
abcd
H



1 col

4 rows

```
#header
{
  grid-area: fourth
}

#footer
{
  grid-area: first;
}
```

Advanced Grid Concepts:

repeat(3, 1fr)

gtc : 1fr 1fr 1fr;

3Col → 100px 200p 1fr 1fr 1fr

fraction

- Fr unit ✓
- Repeat function
- Grid-auto-rows: minmax()

grid-auto columns

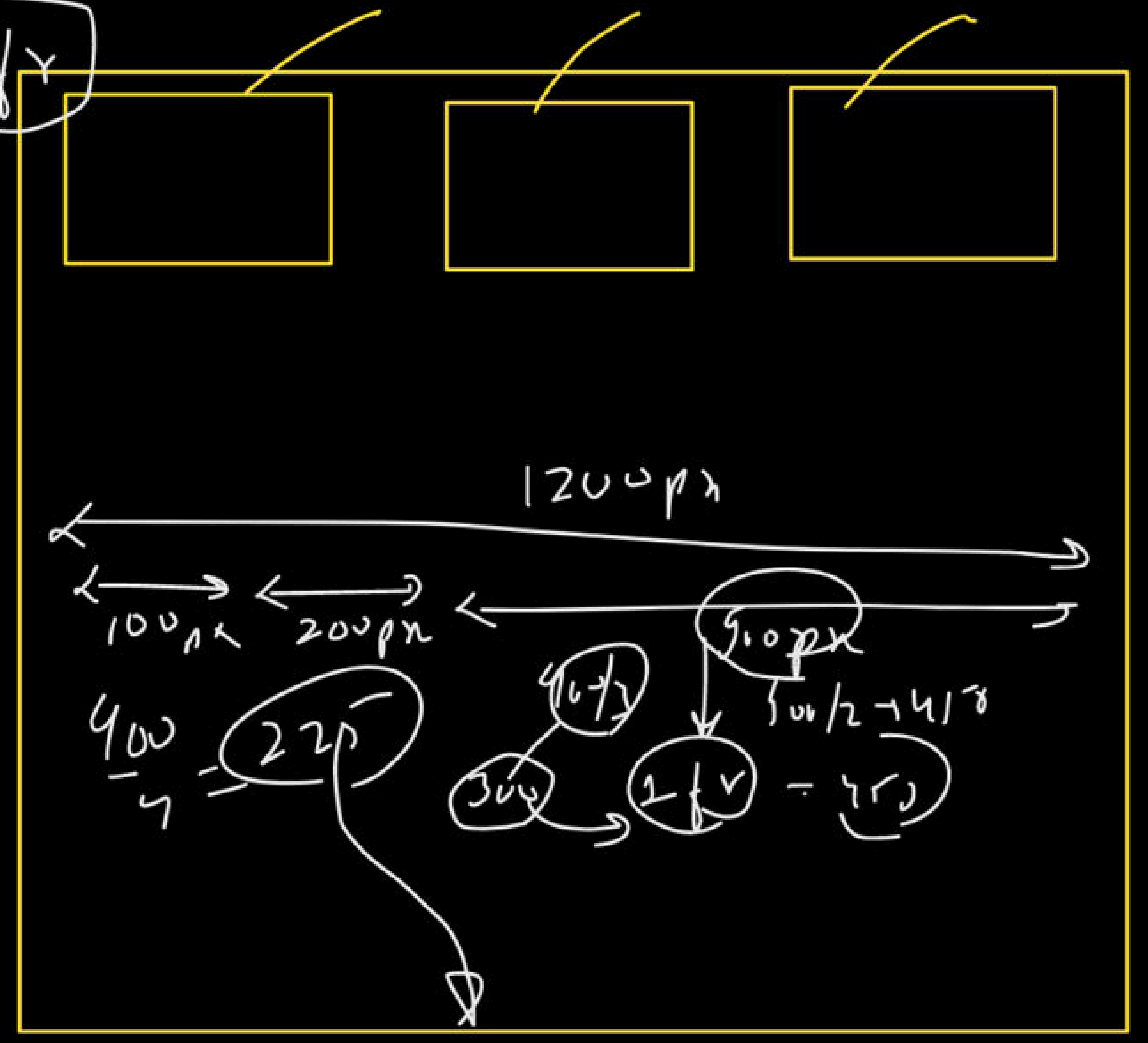
find

H/W

?

? ↓ px

rows min max



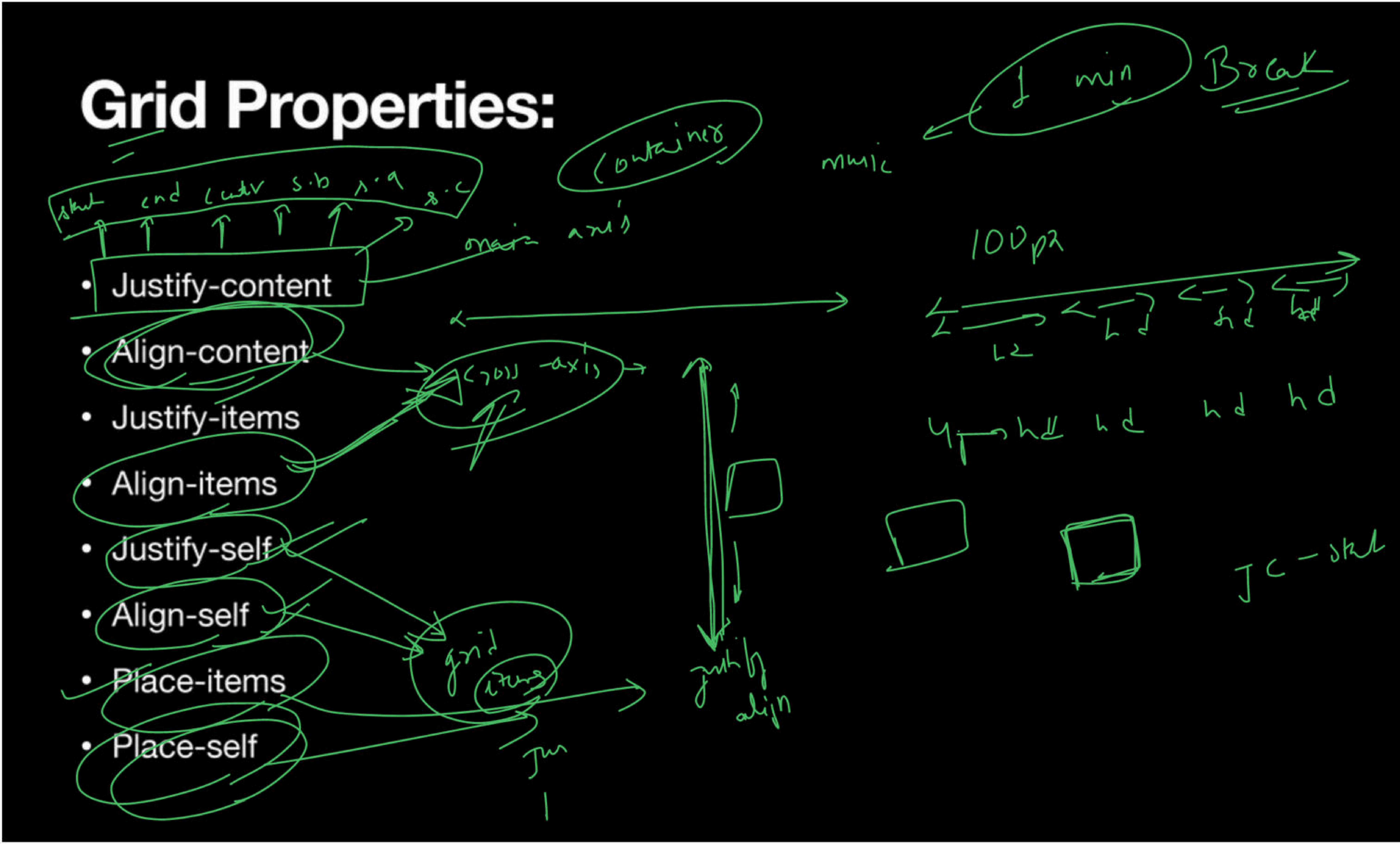
repeat(4, 1fr)

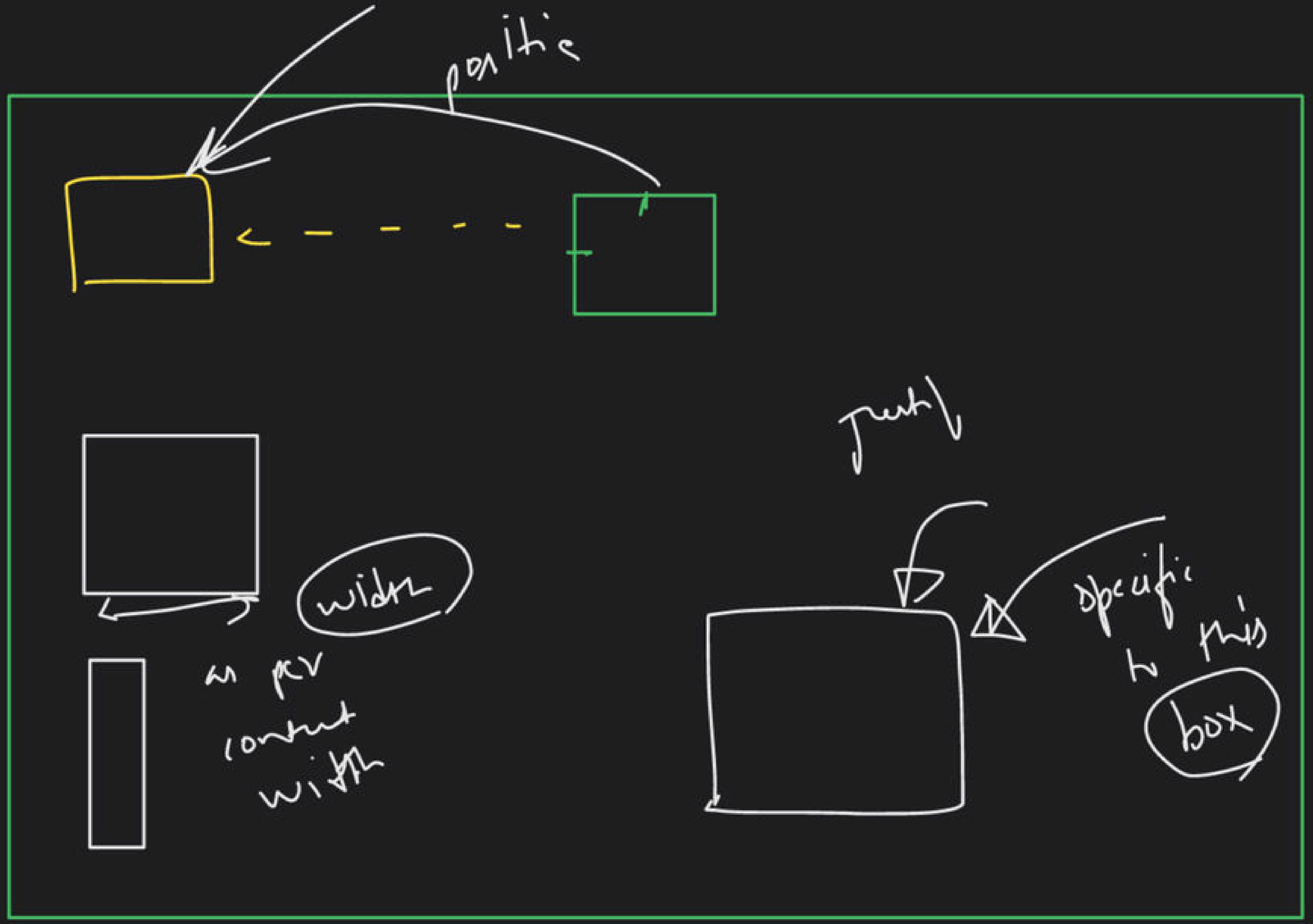
repeat(10, 1fr)

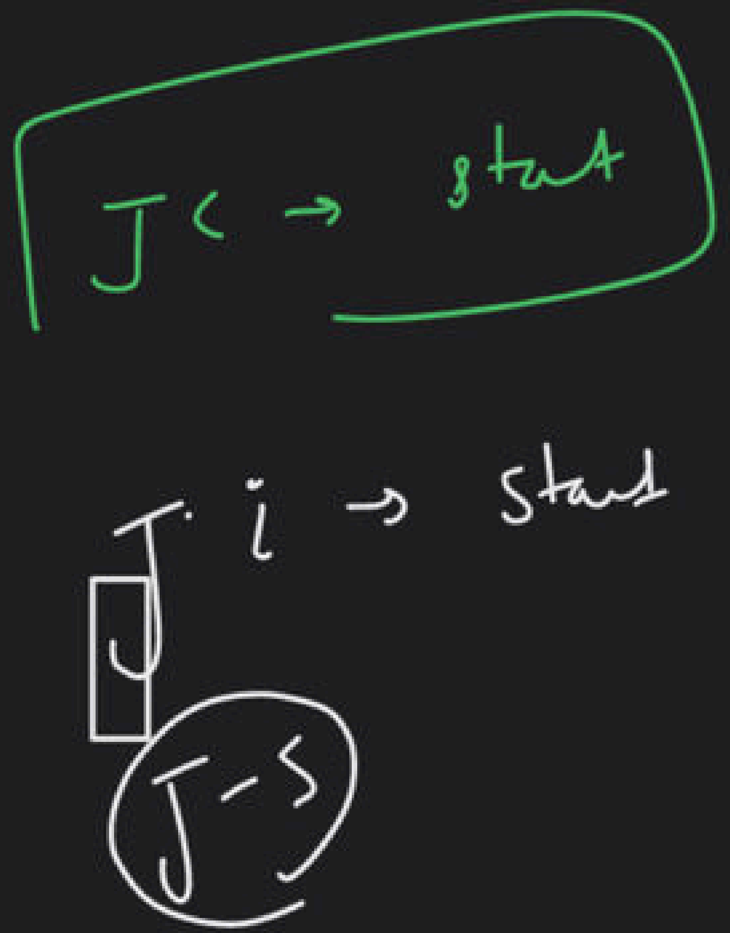
100px 200px 1fr 1fr 1fr 1fr 10fr

Grid Properties:

- Justify-content
- Align-content
- Justify-items
- Align-items
- Justify-self
- Align-self
- Place-items
- Place-self




positio
width
as per content width
partial
specific to this box


JC → start
J.i → start
J-S

Explore time:

Google Search

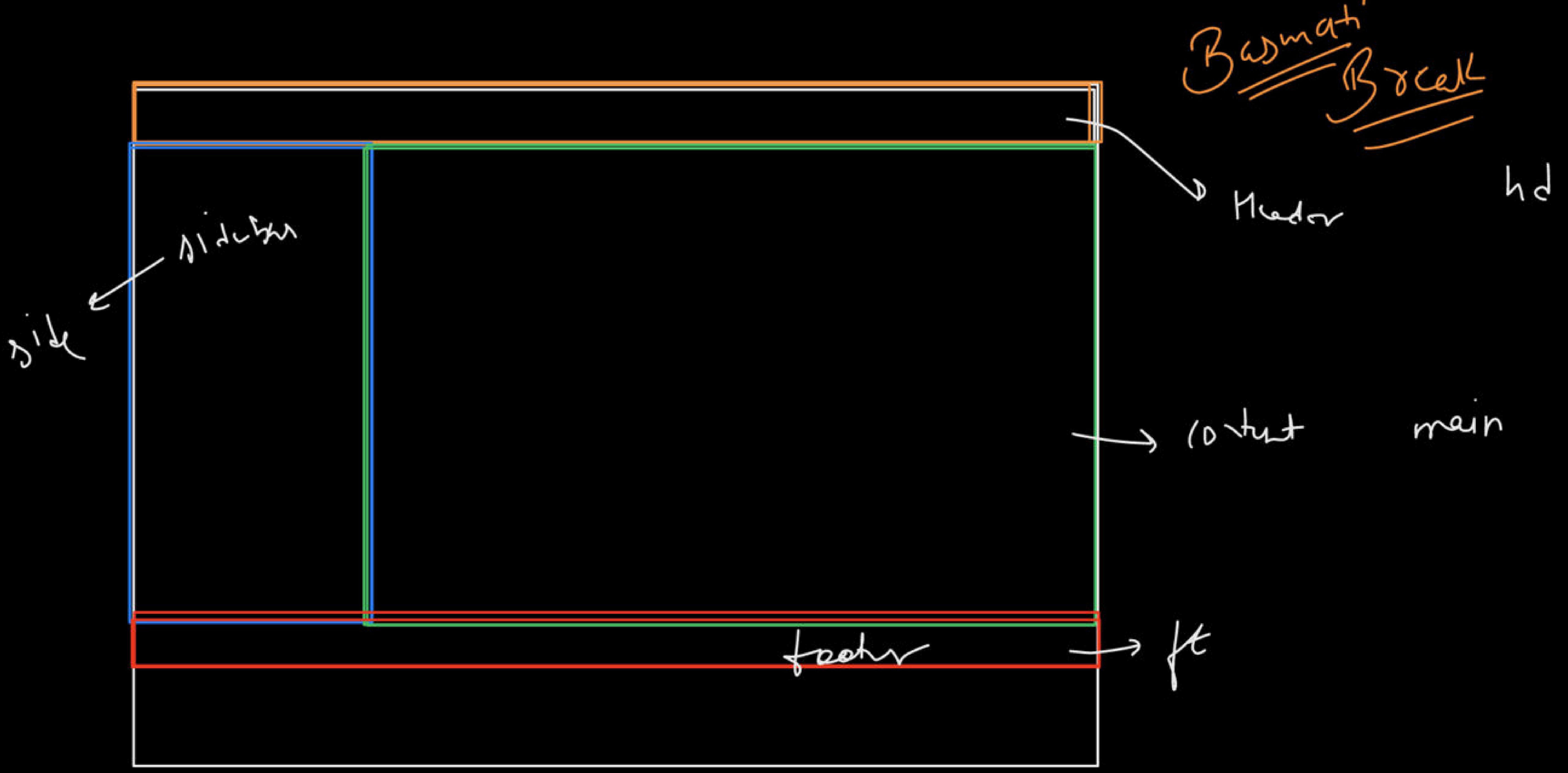
- Find out the difference between grid and inline-grid.

L

Blog Website Layout

1 min

Link multiple pages together [CSS Grid allows you to create simple, elegant and professional quality webpage designs.]



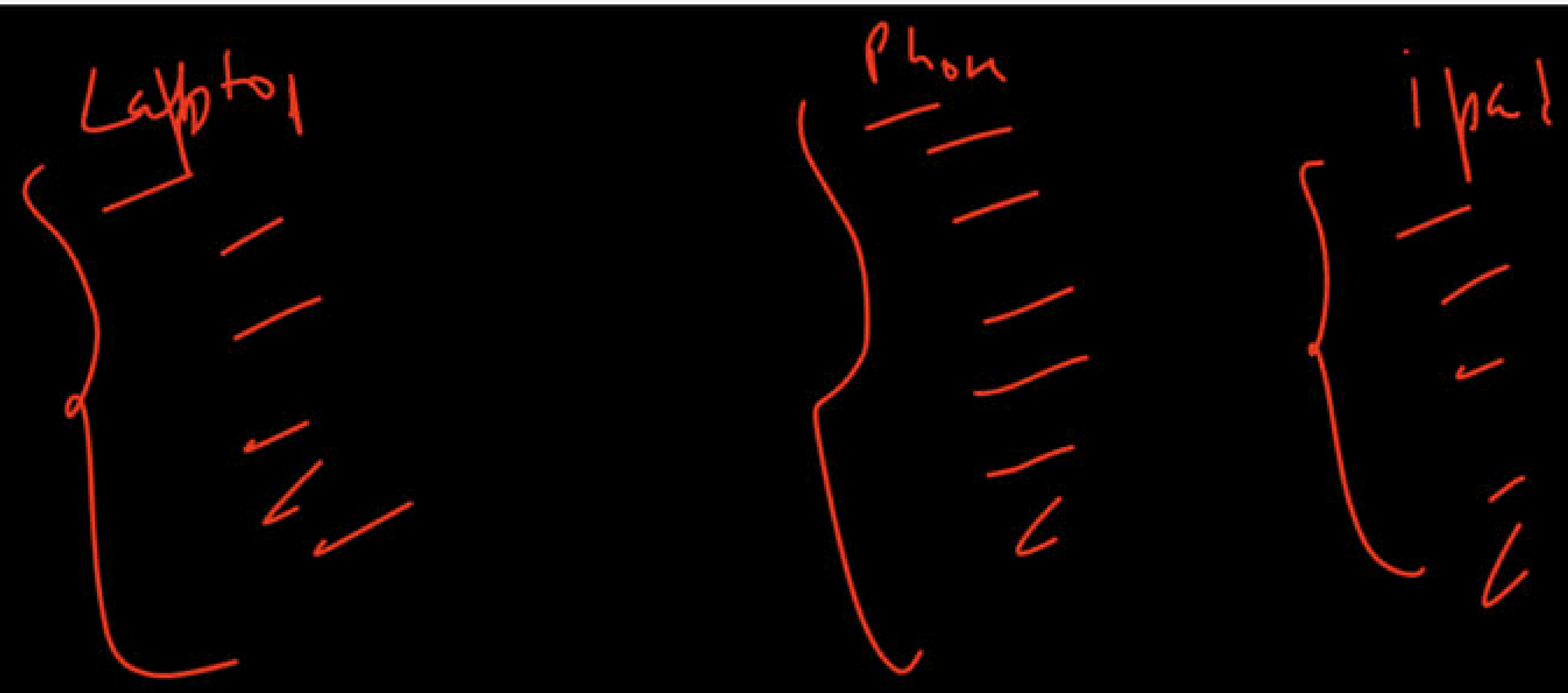
Explore time:

Learn more

H/W

- Complex Grid Layouts
- Nesting & Overlapping of Grid Items

Media Queries:



- ‘Viewport’ - the area of the window in which web content can be seen. We use the dimensions of the viewport (usually the width, but sometimes the height) as the basis of our media queries.
- Media queries are used to set different style rules for different devices or sized screens. We use breakpoints to set the condition of a media query. The logic is: @media(feature:value)
- Essentially, media query breakpoints are pixel values that a developer/designer can define in CSS. When a responsive website reaches those pixel values, a transformation (such as the one detailed above) occurs so that the website offers an optimal user experience

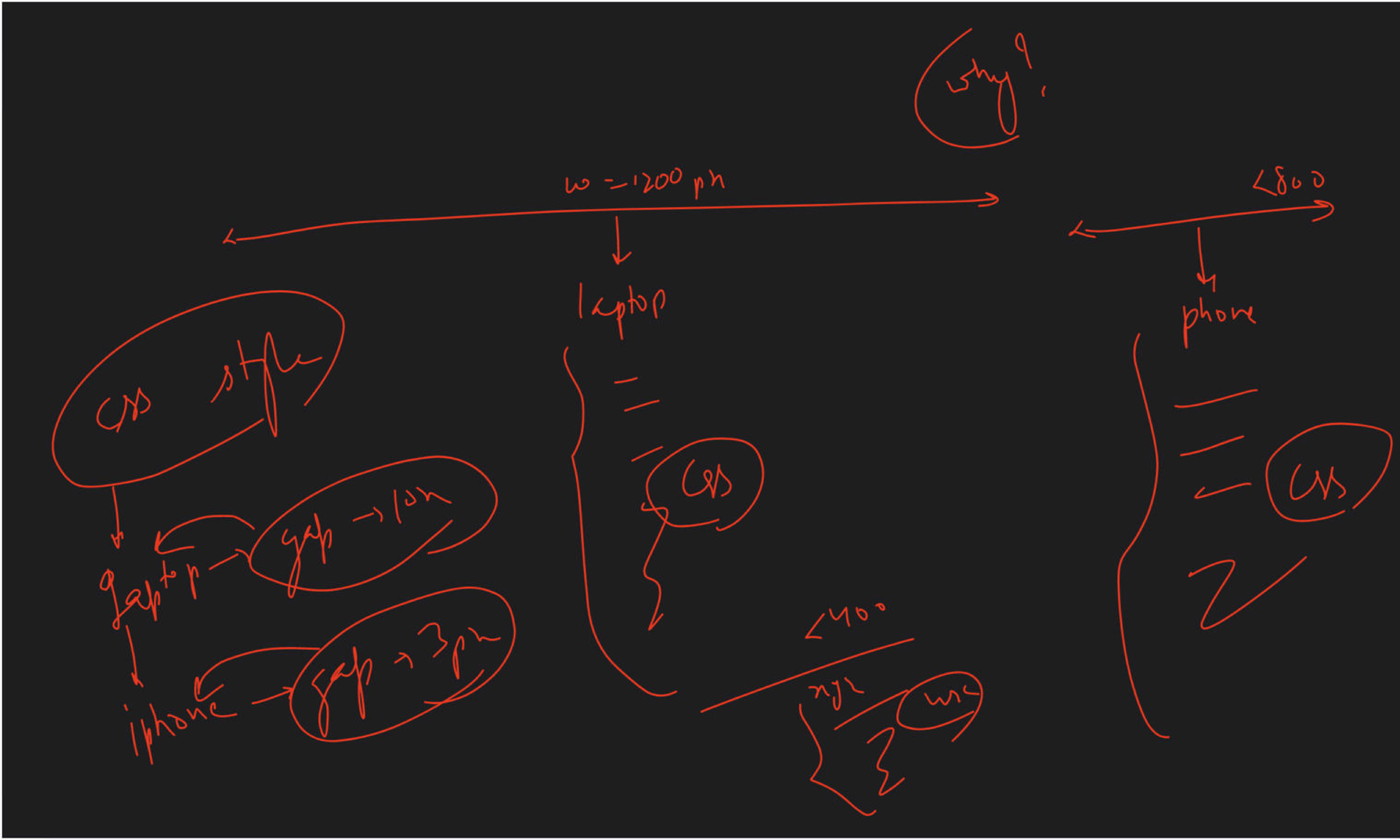
px

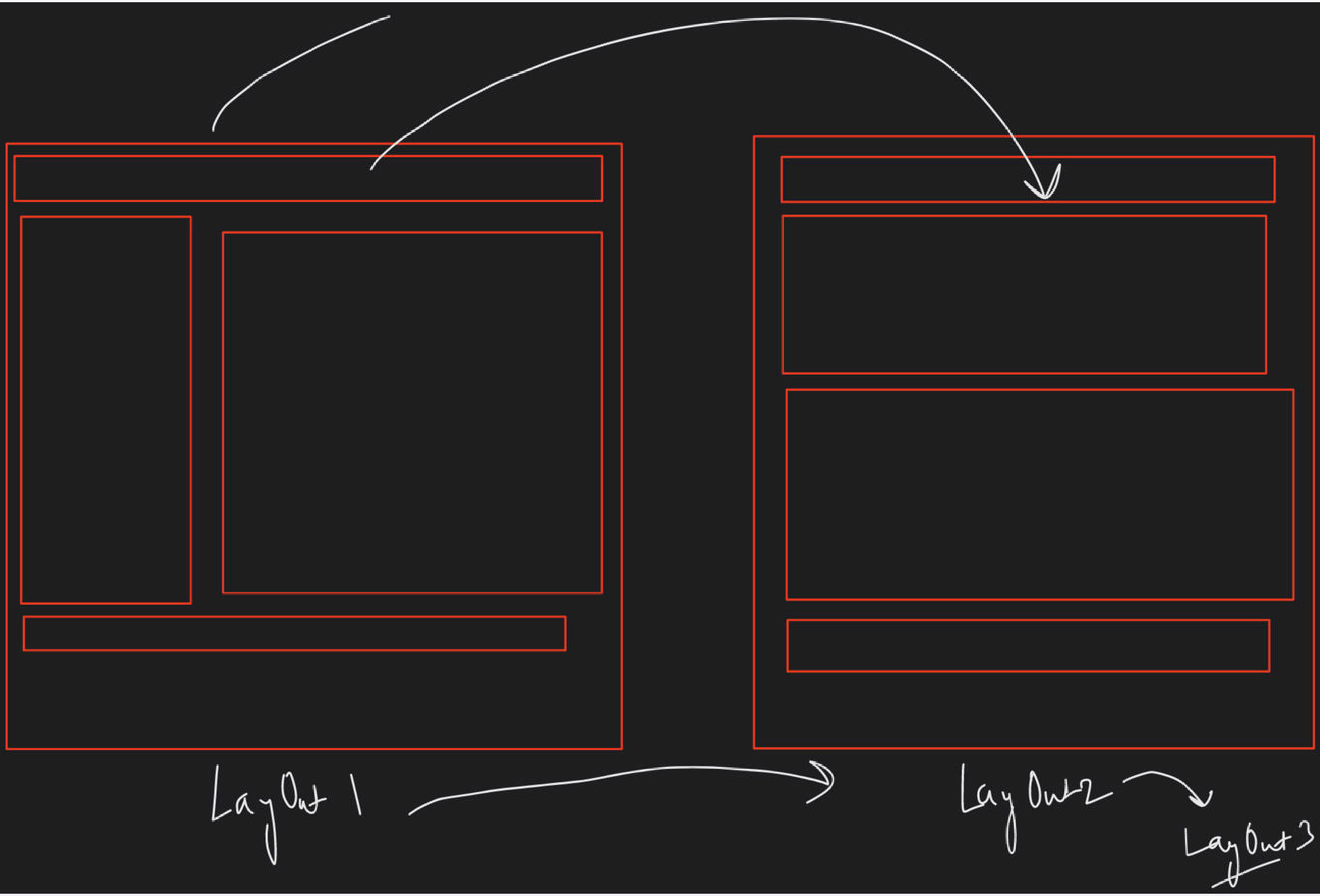
% rem em

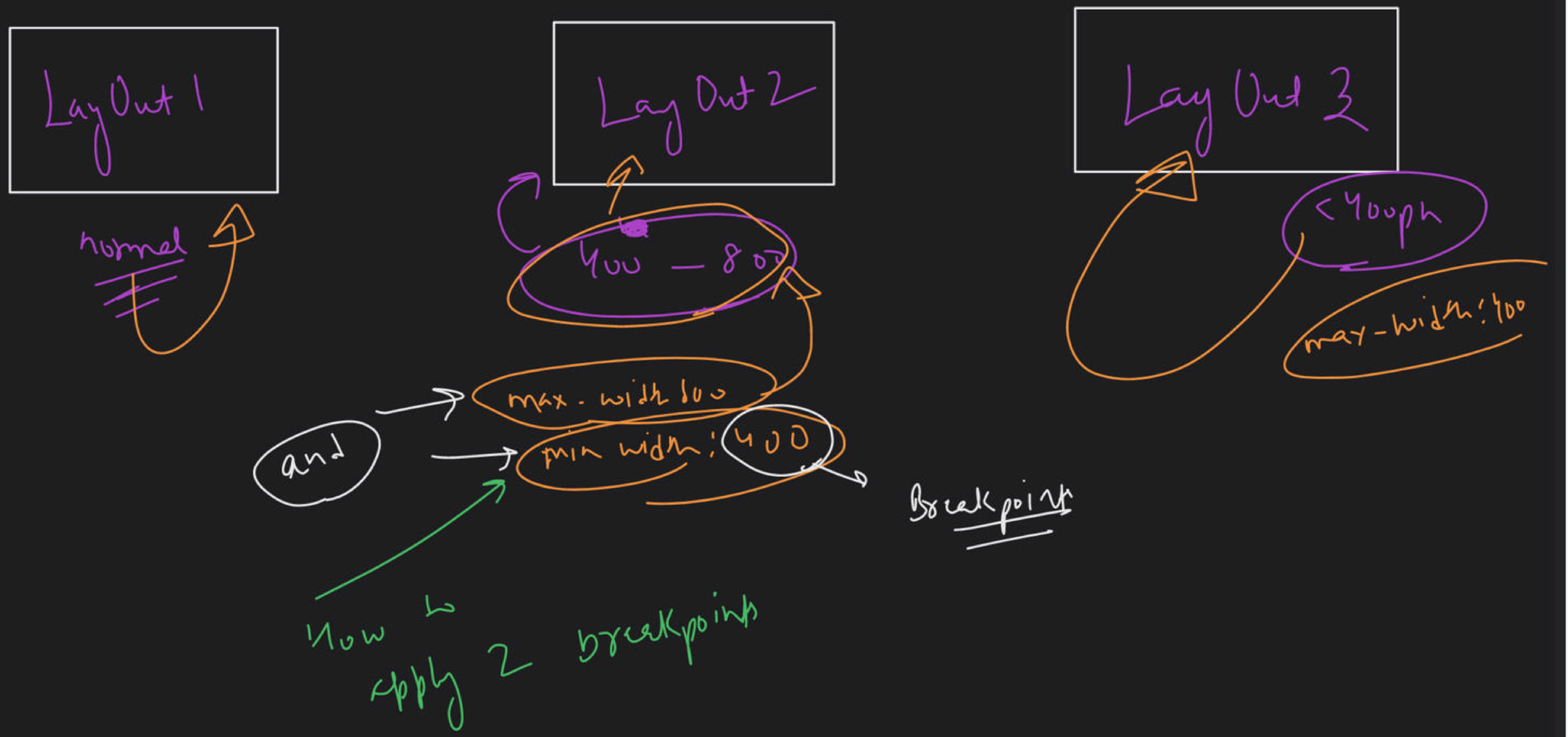
vw vh

Mobile

px → 150px

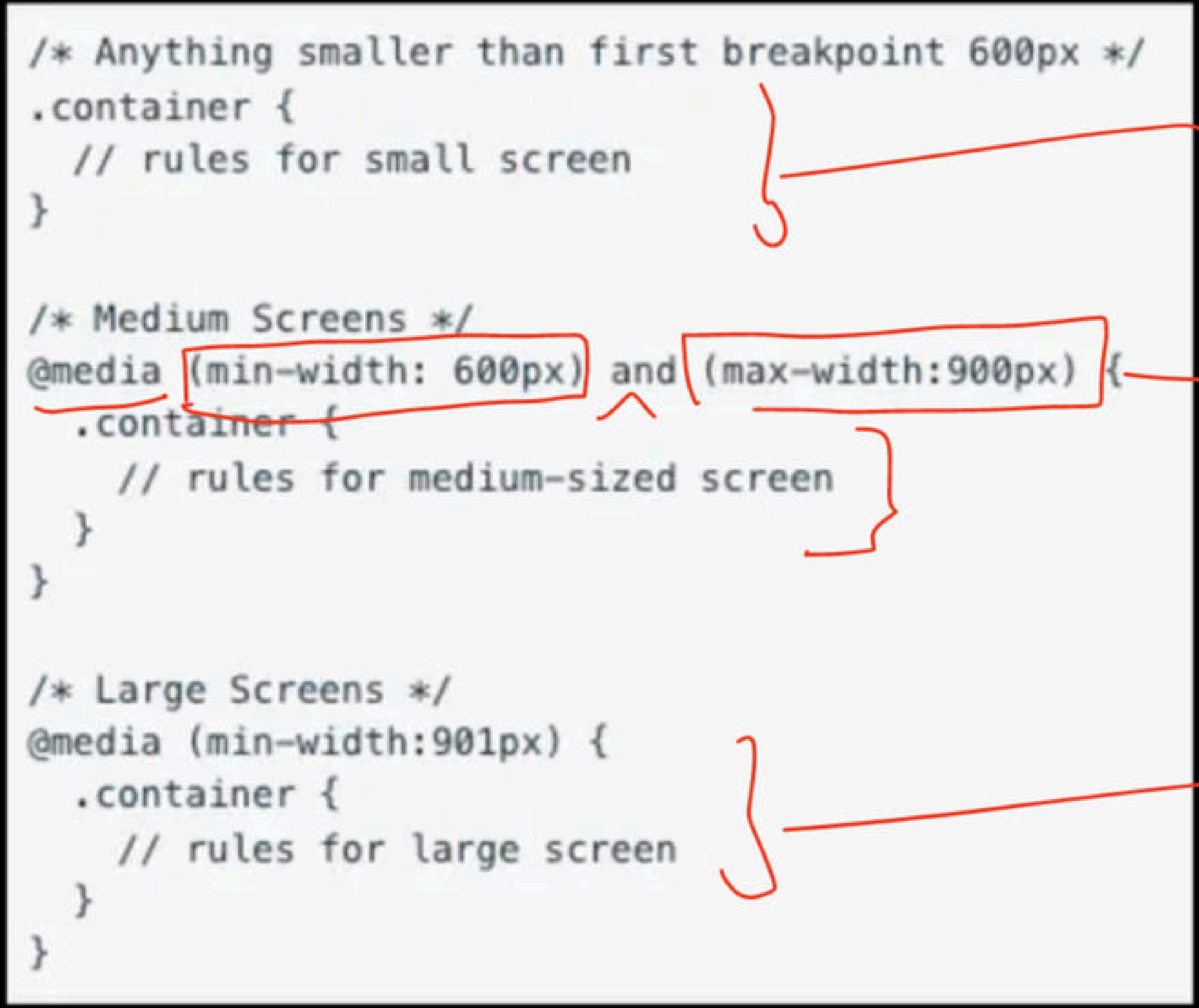

why?
w = 1200 px
<800
laptop
phone
css style
laptop
gap -> 10px
iphone
gap -> 3px
css
css
<400
xyz
css


LayOut 1
LayOut 2
LayOut 3


Lay Out 1
Lay Out 2
Lay Out 3
normal
400 - 800
max-width 800
and
min width: 400
Breakpoint
<400px
max-width: 400
How to apply 2 breakpoints

4 times → try

Multiple BreakPoints:



```
/* Anything smaller than first breakpoint 600px */
.container {
  // rules for small screen
}

/* Medium Screens */
@media (min-width: 600px) and (max-width:900px) {
  .container {
    // rules for medium-sized screen
  }
}

/* Large Screens */
@media (min-width:901px) {
  .container {
    // rules for large screen
  }
}
```

normally

600 -900

> 900

Explore time:

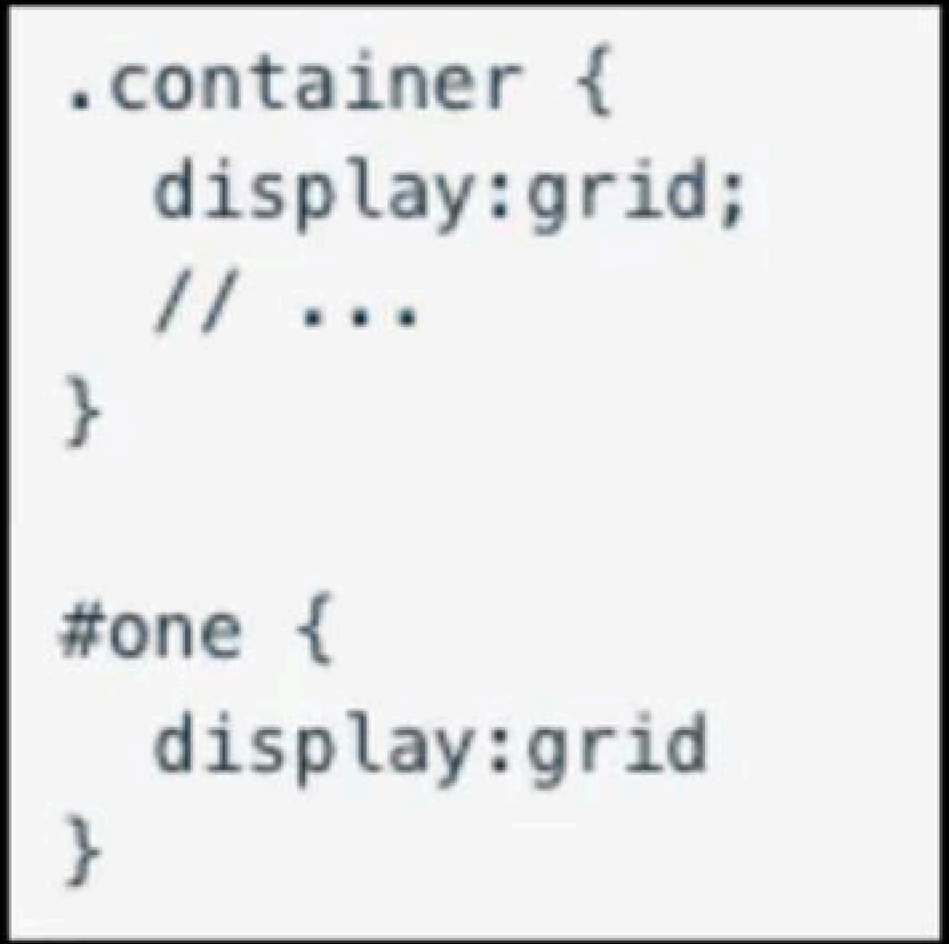
Create your own layout using Flex and Grids together

Nested Grids

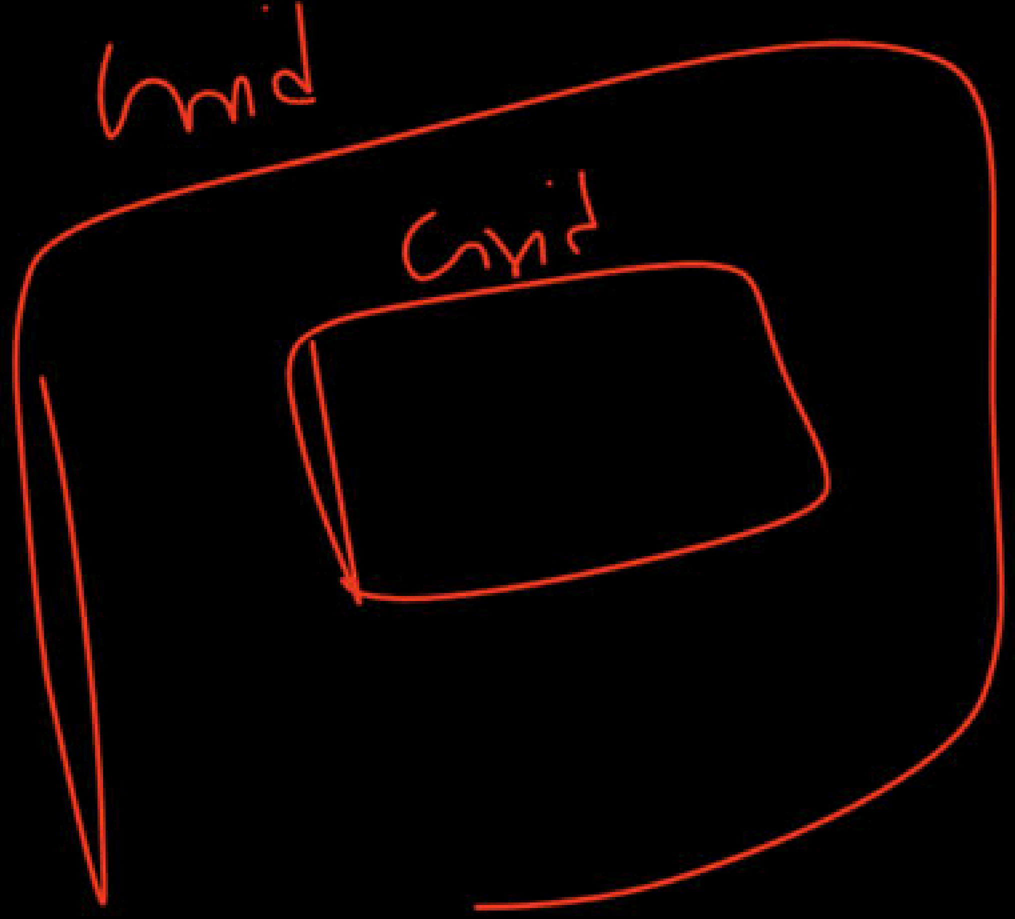
2 min

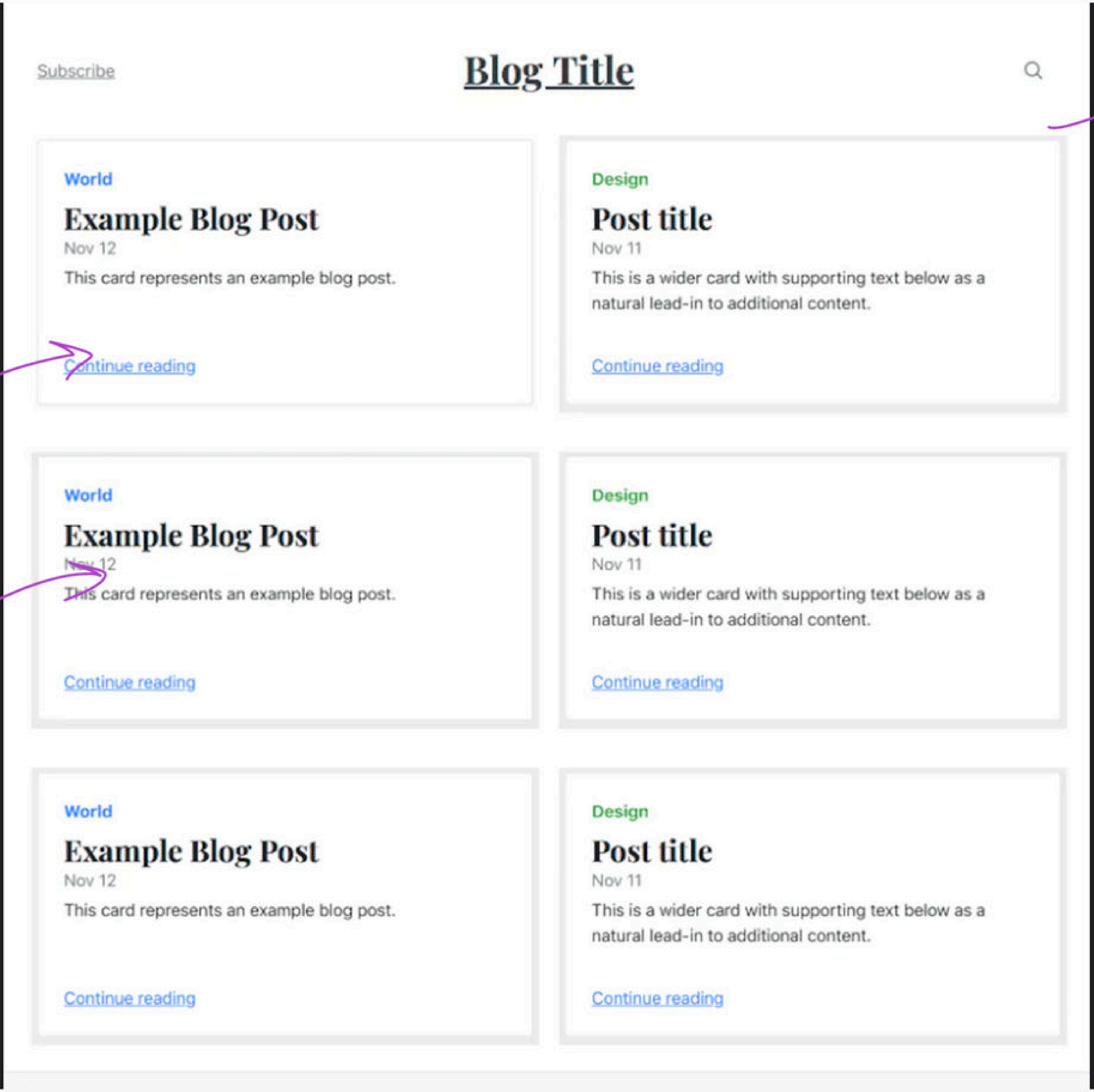
Nesting CSS grids is simple and can be done simply by using the display:grid rule for both a parent and child element.

Here is how that could look with real code:



```
.container {
  display:grid;
  // ...
}

#one {
  display:grid
}
```





Subscribe

Blog Title

World

Example Blog Post

Nov 12

This card represents an example blog post.

Continue reading

Design

Post title

Nov 11

This is a wider card with supporting text below as a natural lead-in to additional content.

Continue reading

World

Example Blog Post

Nov 12

This card represents an example blog post.

Continue reading

Design

Post title

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This is a wider card with supporting text below as a natural lead-in to additional content.

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World

Example Blog Post

Nov 12

This card represents an example blog post.

Continue reading

Design

Post title

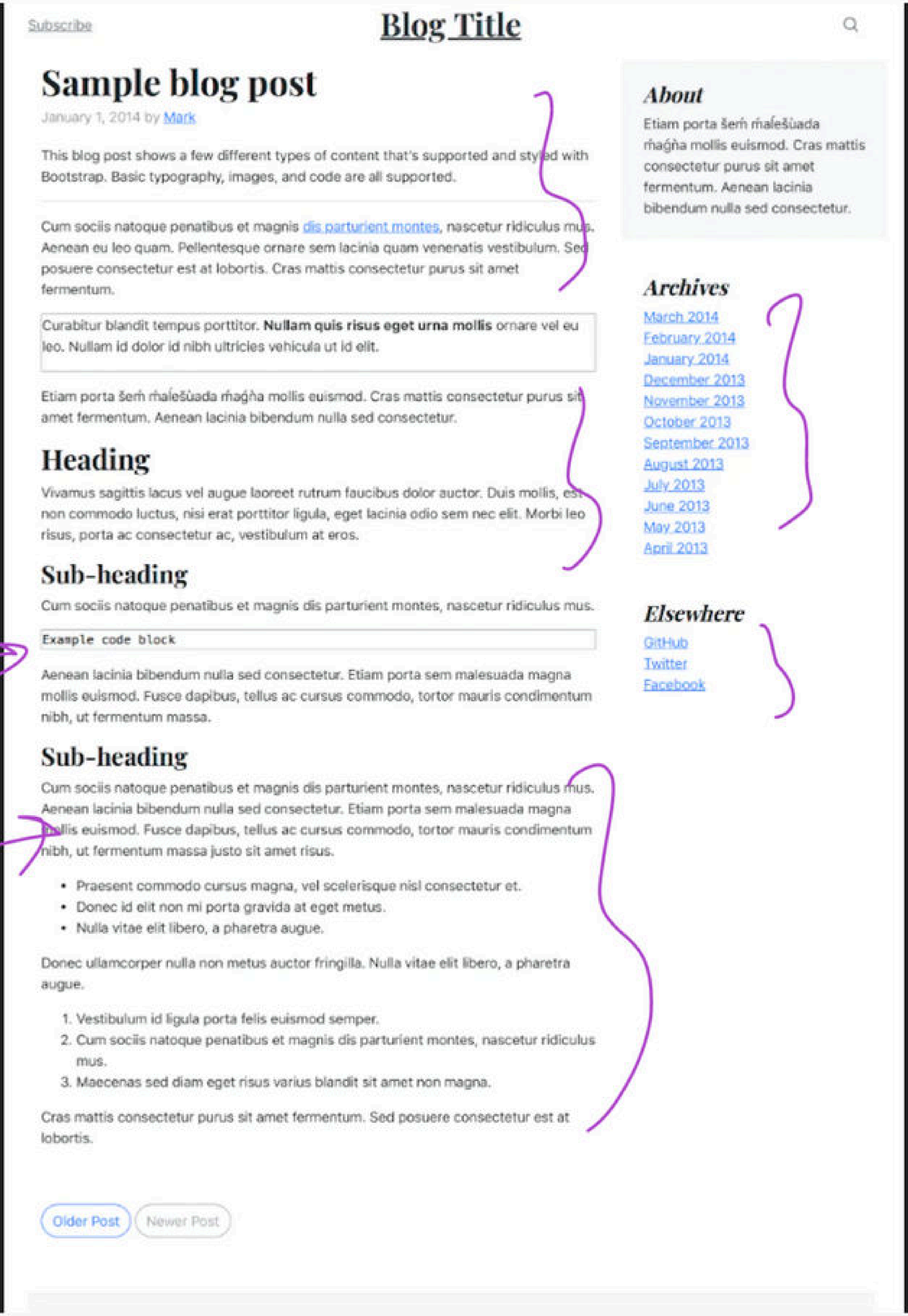
Nov 11

This is a wider card with supporting text below as a natural lead-in to additional content.

Continue reading

H/W

divs



Subscribe

Blog Title

Sample blog post

January 1, 2014 by Mark

This blog post shows a few different types of content that's supported and styled with Bootstrap. Basic typography, images, and code are all supported.

Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aenean eu leo quam. Pellentesque ornare sem lacinia quam venenatis vestibulum. Sed posuere consectetur est at lobortis. Cras mattis consectetur purus sit amet fermentum.

Curabitur blandit tempus porttitor. **Nullam quis risus eget urna mollis** ornare vel eu leo. Nullam id dolor id nibh ultricies vehicula ut id elit.

Etiam porta šeṁ ṁalešůada ṁağṅa mollis euismod. Cras mattis consectetur purus sit amet fermentum. Aenean lacinia bibendum nulla sed consectetur.

Heading

Vivamus sagittis lacus vel augue laoreet rutrum faucibus dolor auctor. Duis mollis, est non commodo luctus, nisi erat porttitor ligula, eget lacinia odio sem nec elit. Morbi leo risus, porta ac consectetur ac, vestibulum at eros.

Sub-heading

Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.

```
Example code block
```

Aenean lacinia bibendum nulla sed consectetur. Etiam porta sem malesuada magna mollis euismod. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa.

Sub-heading

Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aenean lacinia bibendum nulla sed consectetur. Etiam porta sem malesuada magna mollis euismod. Fusce dapibus, tellus ac cursus commodo, tortor mauris condimentum nibh, ut fermentum massa justo sit amet risus.

- Praesent commodo cursus magna, vel scelerisque nisl consectetur et.
- Donec id elit non mi porta gravida at eget metus.
- Nulla vitae elit libero, a pharetra augue.

Donec ullamcorper nulla non metus auctor fringilla. Nulla vitae elit libero, a pharetra augue.

1. Vestibulum id ligula porta felis euismod semper.
2. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus.
3. Maecenas sed diam eget risus varius blandit sit amet non magna.

Cras mattis consectetur purus sit amet fermentum. Sed posuere consectetur est at lobortis.

About

Etiam porta šeṁ ṁalešůada ṁağṅa mollis euismod. Cras mattis consectetur purus sit amet fermentum. Aenean lacinia bibendum nulla sed consectetur.

Archives

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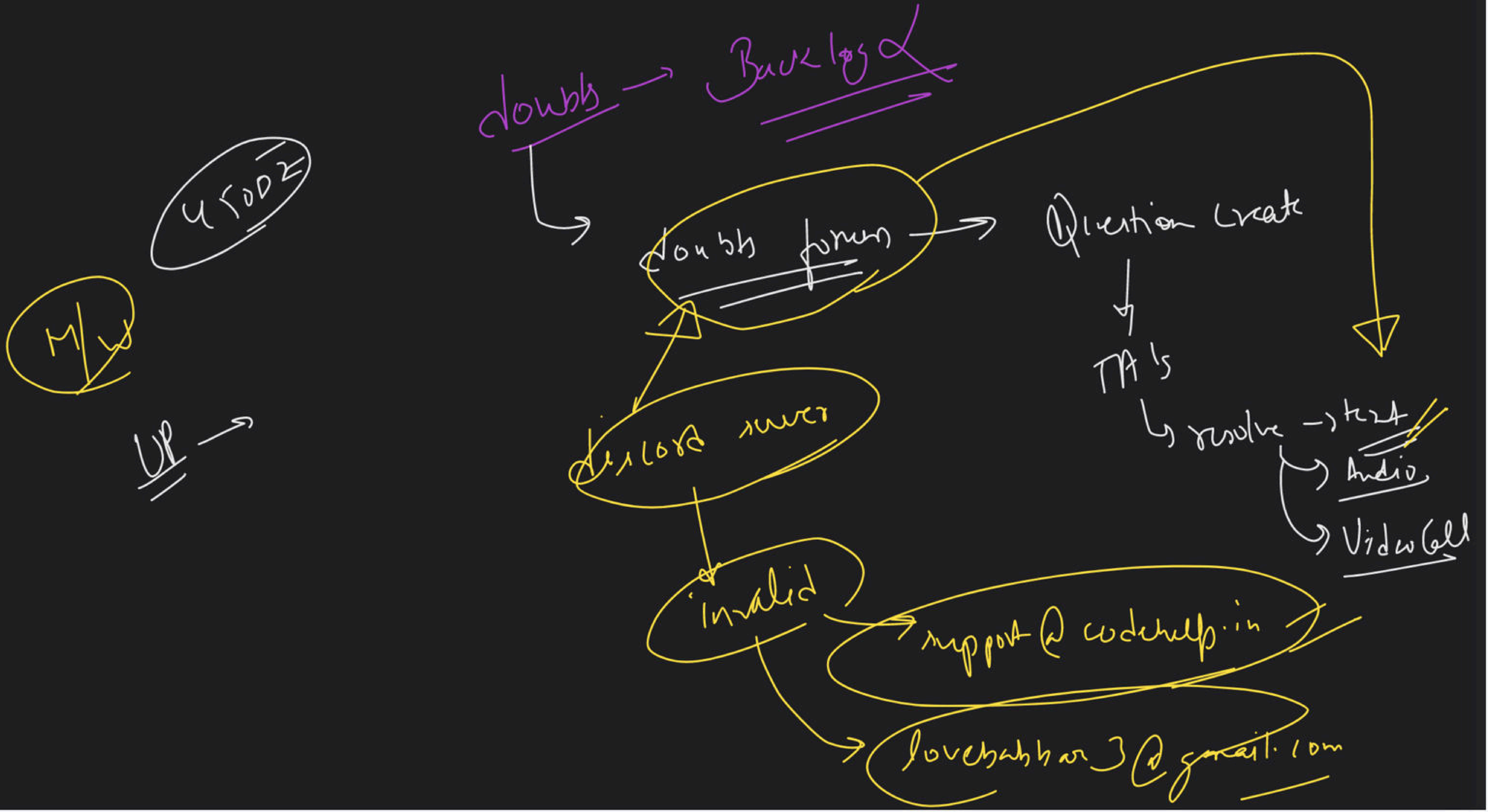
Elsewhere

GitHub
Twitter
Facebook

2 page application


4500Z
M/W
UP →
doubts → Backlog
doubts forum
Question create
TA's
resolve → text
Audio
VideoCall
discord server
invalid
support@codehelp.in
lovebabbar3@gmail.com