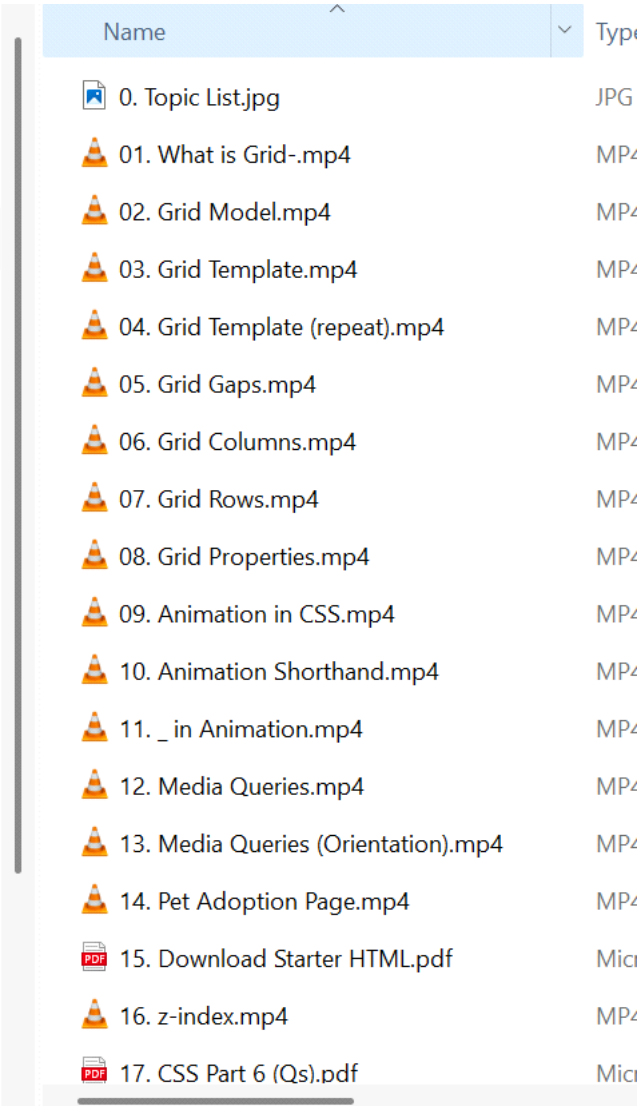
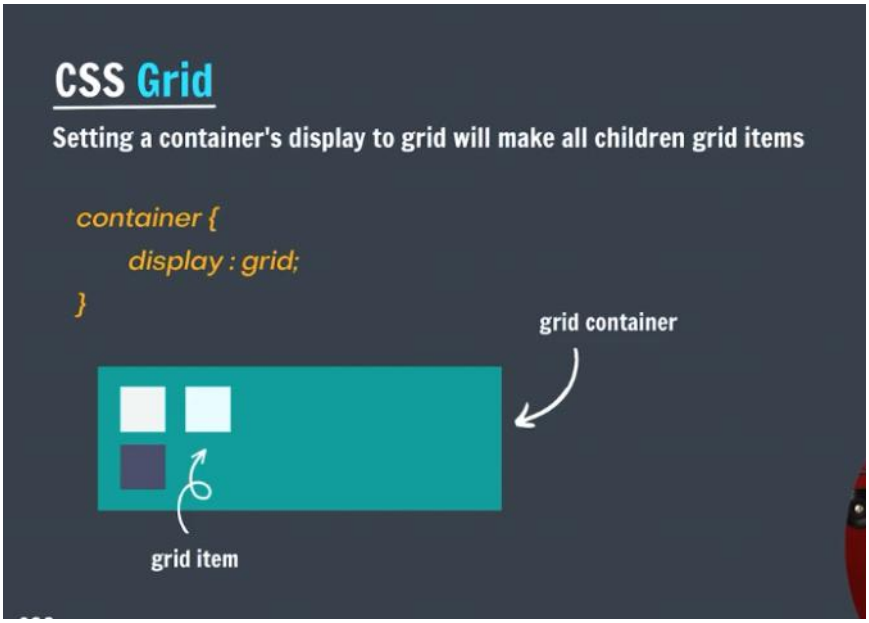
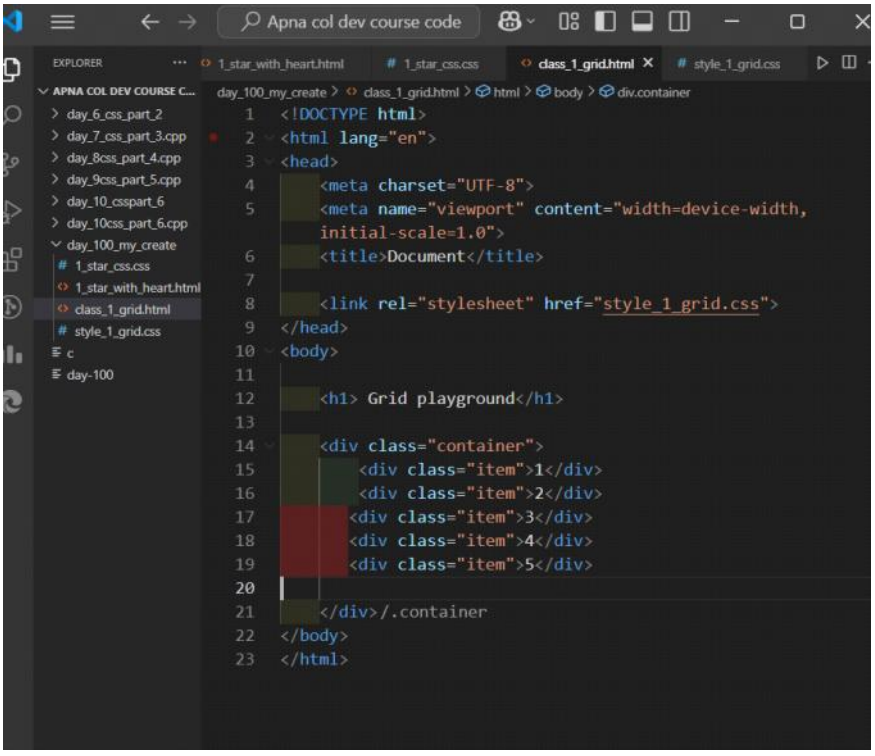
Day-10 css part-6

Sunday, May 18, 2025 12:03 AM




CSS Grid
Setting a container's display to grid will make all children grid items
container {
display : grid;
}
grid container
grid item


Apna col dev course code
EXPLORER
1_star_with_heart.html
1_star_css.css
class_1_grid.html
style_1_grid.css
APNA COL DEV COURSE C...
day_6_css_part_2
day_7_css_part_3.cpp
day_8css_part_4.cpp
day_9css_part_5.cpp
day_10_csspart_6
day_10css_part_6.cpp
day_100_my_create
1_star_css.css
1_star_with_heart.html
class_1_grid.html
style_1_grid.css
c
day-100
day_100_my_create > class_1_grid.html > html > body > div.container
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>Document</title>
<link rel="stylesheet" href="style_1_grid.css">
</head>
<body>
<h1> Grid playground</h1>

1
2
3
4
5
/.container
</body>
</html>

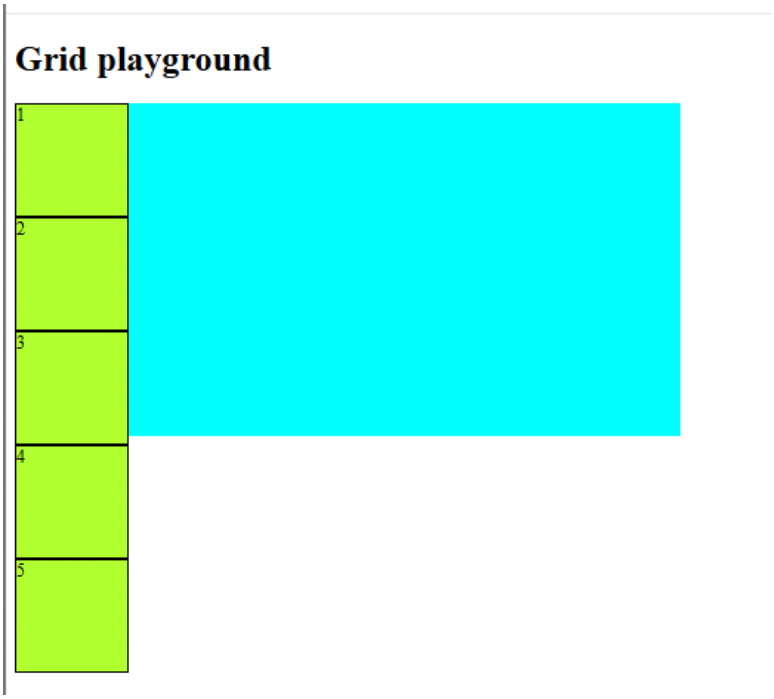
1_star_with_heart.html | # 1_star_css.css | class_1_grid.html

day_100_my_create > # style_1_grid.css > .item

```css
.container {
    width: 600px;
    height: 300px;
    background-color: aqua;
}

.item{
    width: 100px;
    height: 100px;
    background-color: greenyellow;
    border: 2px solid black;

}
```



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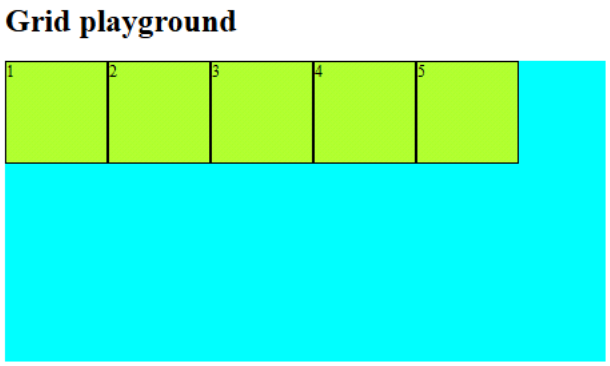
When give :
Display: flex;



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When give:

Display:grid;

We can see it come to horizontal axis

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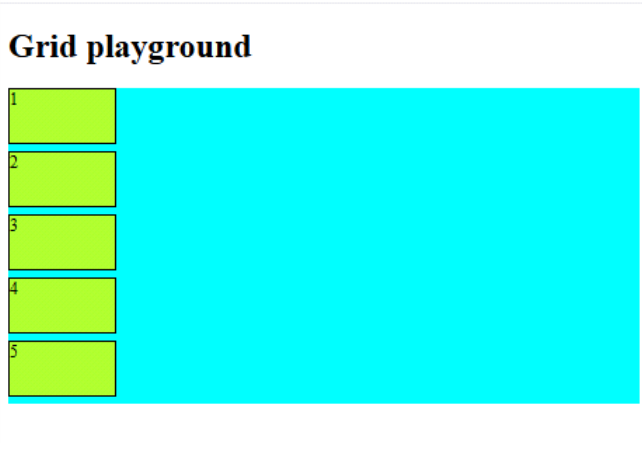
When give: height is reduce to 100px to 50px for item div



It take some space between them .

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When width is 20px;

100_my_create > # style_1_grid.css > .item

```css
.container {
    width: 600px;
    height: 300px;
    background-color: aqua;
    display: grid;

}

.item{
    width: 100px;
    height: 20px;
    background-color: greenyellow;
    border: 2px solid black;


}
```

Grid playground

1

2

3

4

5

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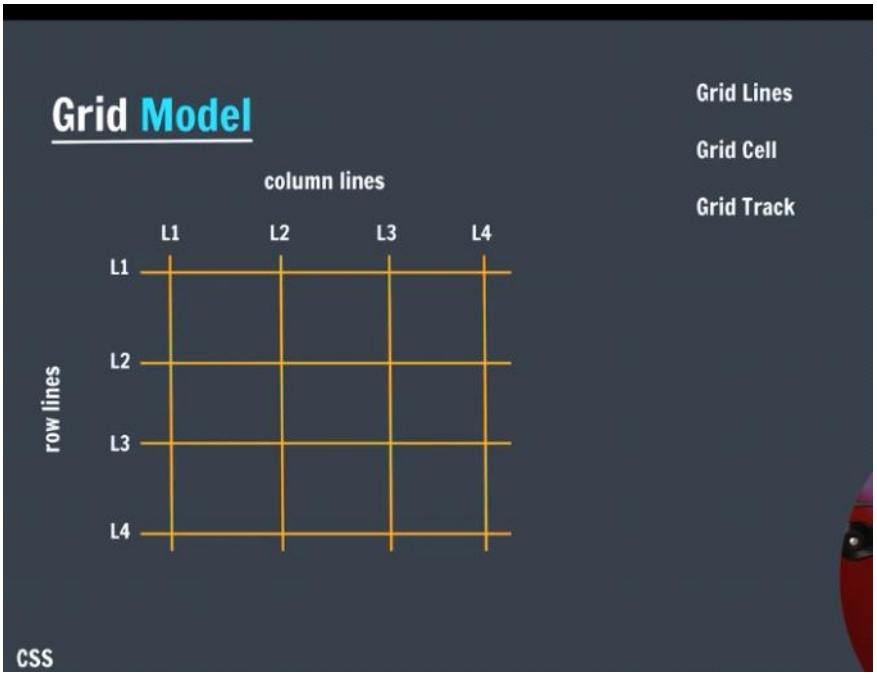
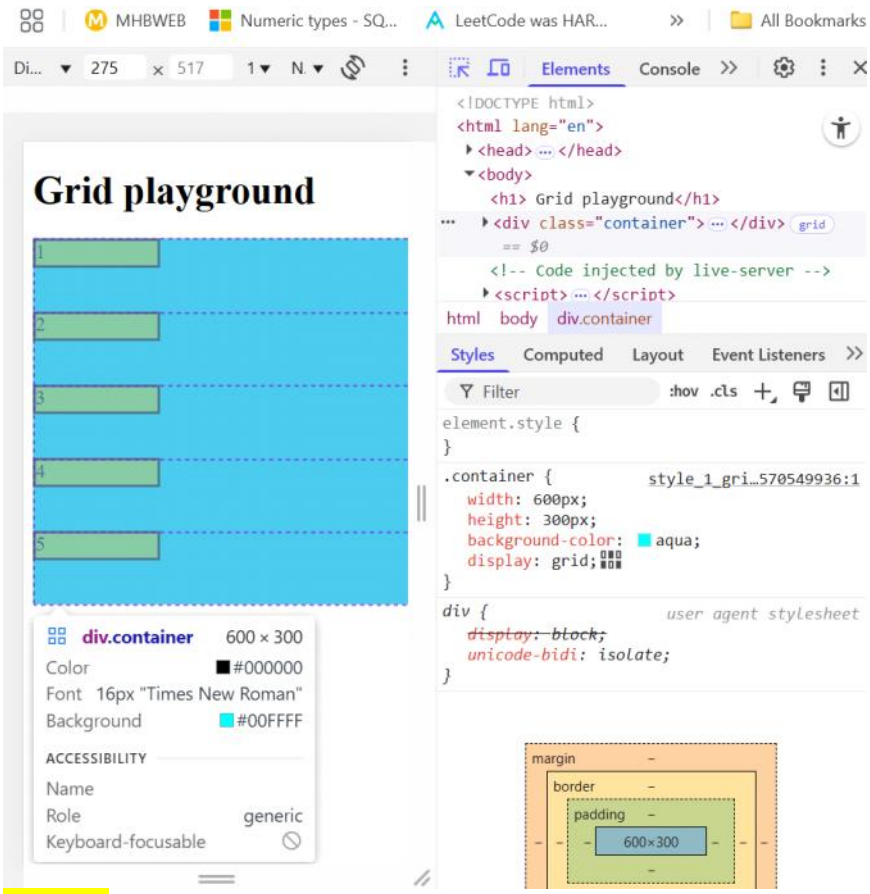
Class 2: Grid Model



Grid line:
Purple color dot line indicate the grid line:



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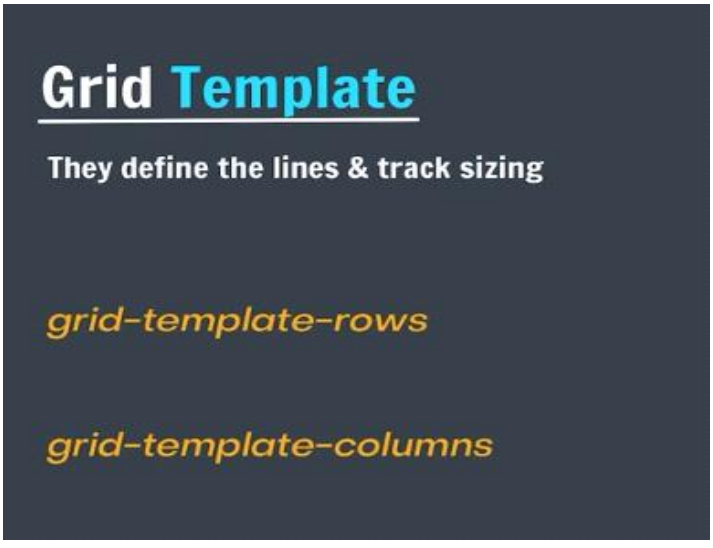
Class 3: Grid Template

They define the lines and track sizing.

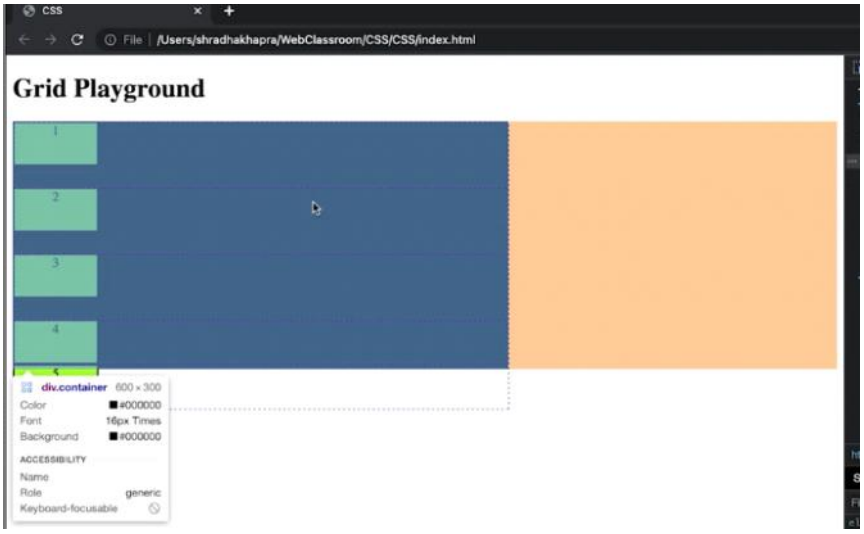


index.html # style.css

style.css > .container

```css
.container {
  width: 600px;
  height: 300px;
  background-color: black;
  display: grid;
  grid-template-rows: 80px 80px 80px;
}

.item {
  width: 100px;
  height: 50px;
  background-color: greenyellow;
  border: 2px solid black;
  text-align: center;
}
```



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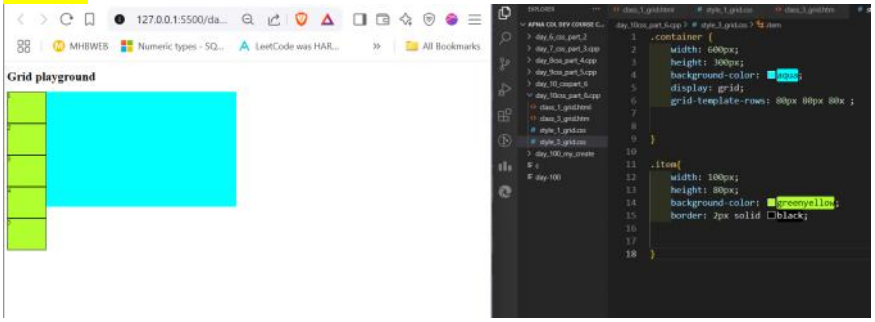
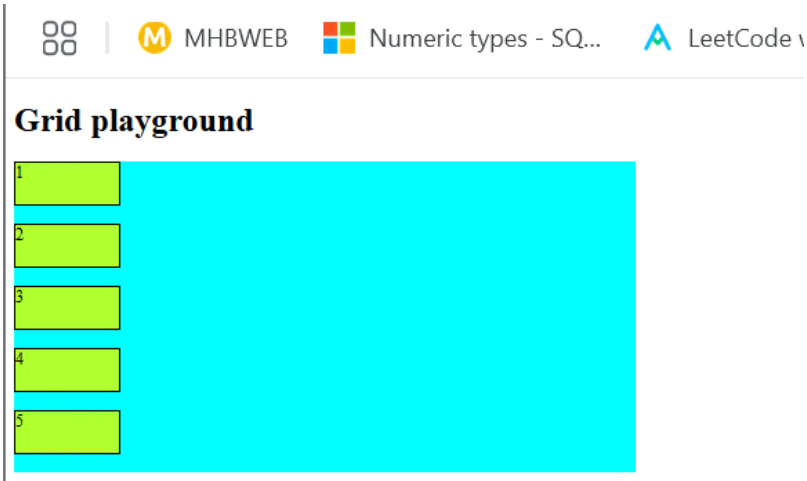
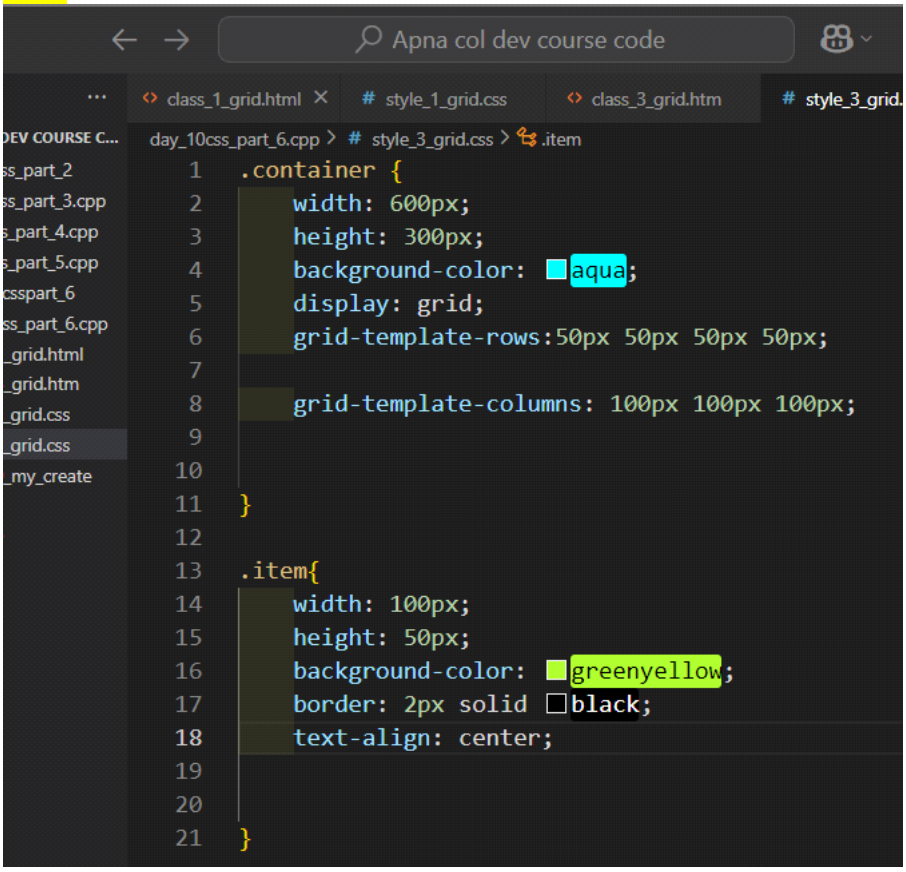


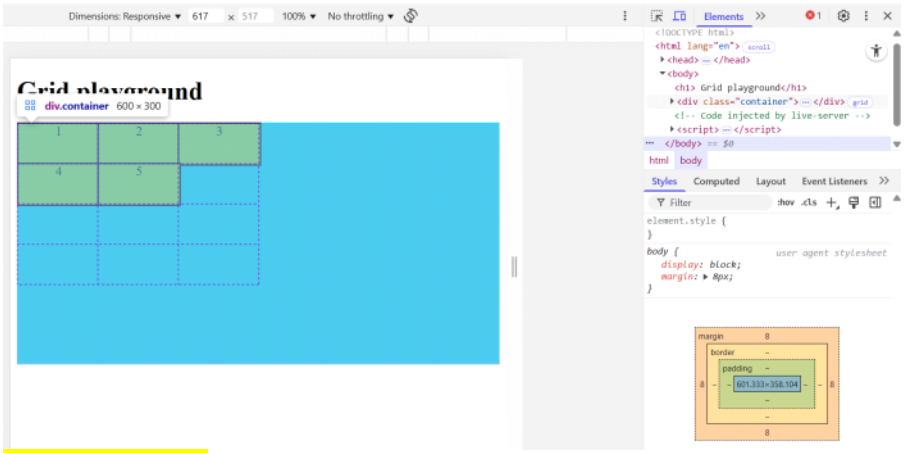
===

When height: 40px;


MHBWEB
Numeric types - SQ...
LeetCode
Grid playground
1
2
3
4
5

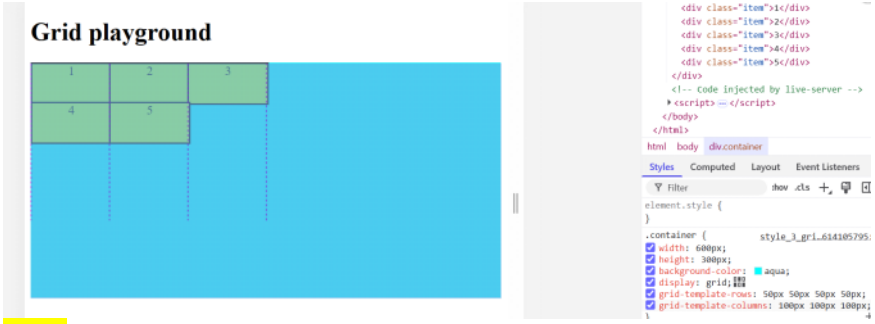
===


Apna col dev course code
class_1_grid.html
style_1_grid.css
class_3_grid.htm
style_3_grid.
day_10css_part_6.cpp > style_3_grid.css > .item
.container {
width: 600px;
height: 300px;
background-color: aqua;
display: grid;
grid-template-rows:50px 50px 50px 50px;
grid-template-columns: 100px 100px 100px;
}
.item{
width: 100px;
height: 50px;
background-color: greenyellow;
border: 2px solid black;
text-align: center;
}



=== for row

=== for column:



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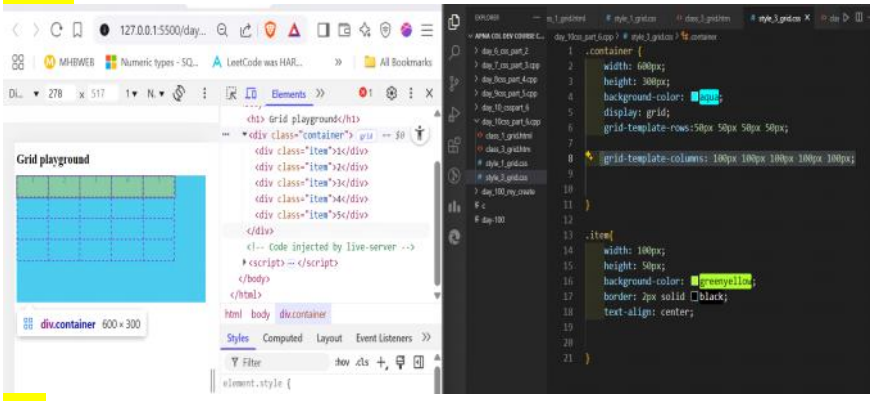
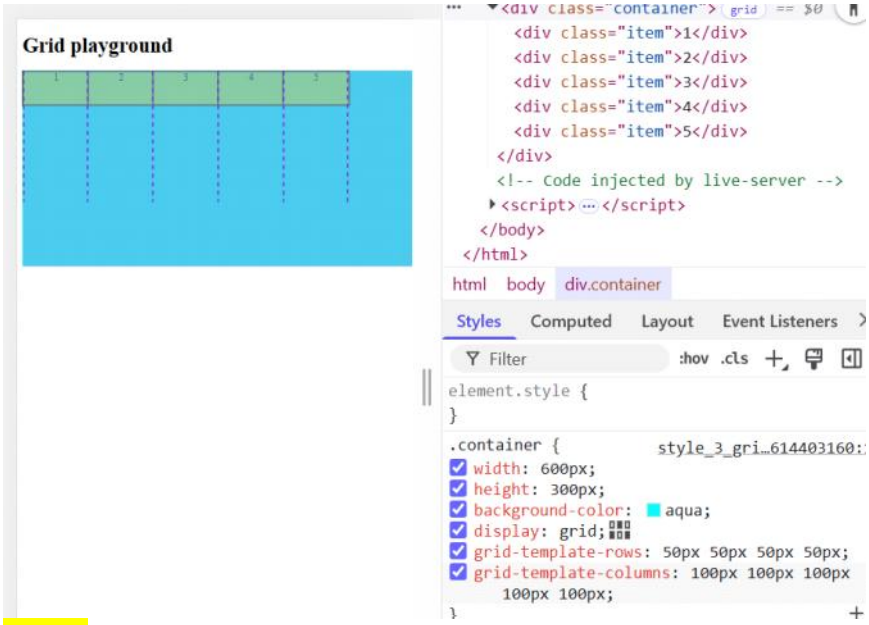
Take grid: 5 time column and 4 time row



==



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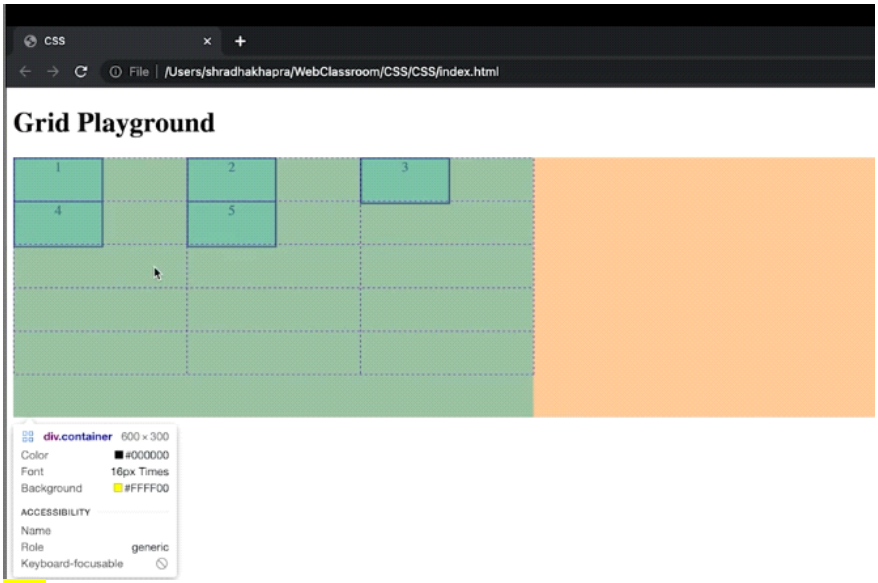
Another way to declare grid:

Auto .

If I write 3 time auto means

3 row or 3 column.



==

When delete the width and height of item

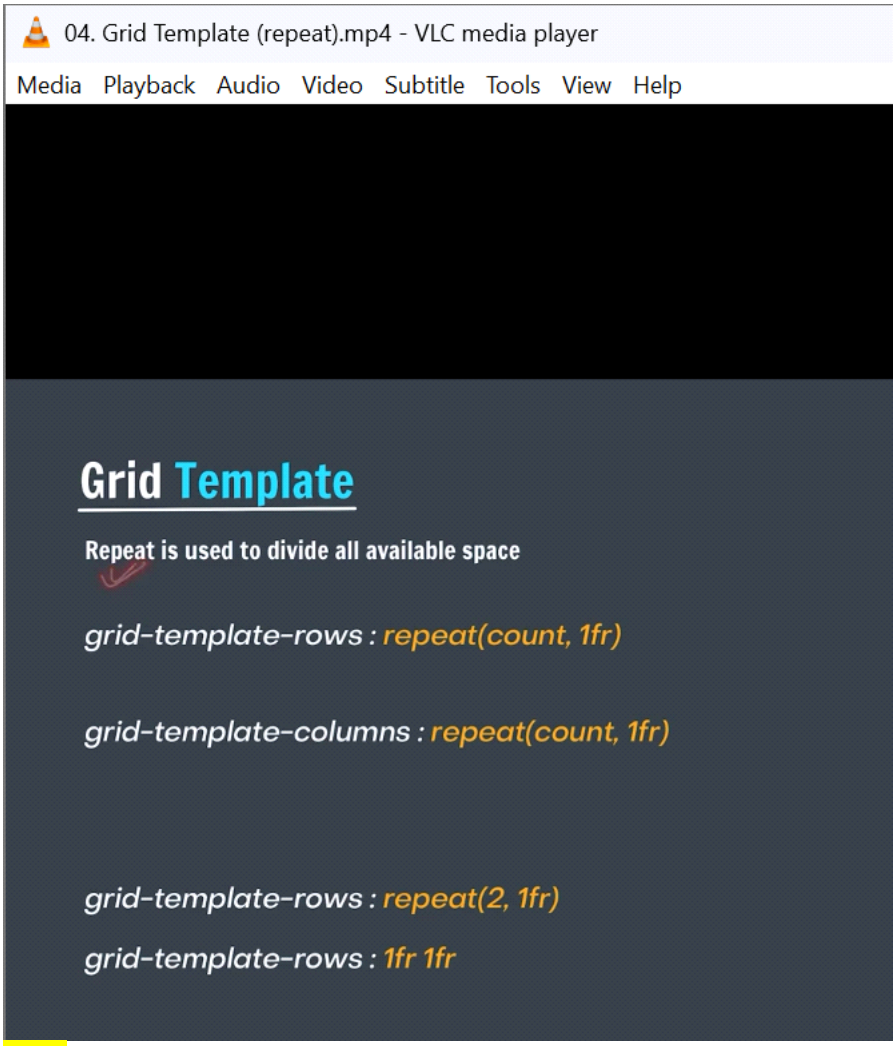
Then every item take full grid cell .

```css
.container {
  width: 600px;
  height: 300px;
  background-color: yellow;
  display: grid;
  grid-template-rows: 50px 50px 50px 50px 50px;
  grid-template-columns: 200px 200px 200px;
}

.item {
  /* width: 100px;
  height: 50px; */
  background-color: greenyellow;
  border: 2px solid black;
  text-align: center;
}
```

===

class 4: grid template repeat



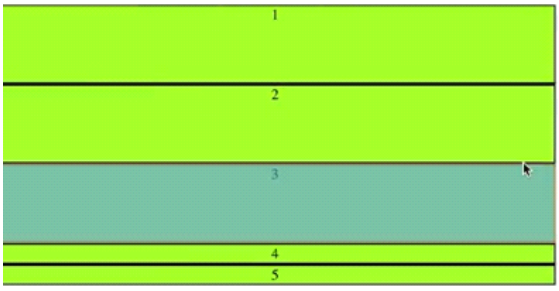
===

Repeat(3,1fr) ;
Means 1st 3 items take same space.
Other taking space don't know.

```
yle.css > .container
.container {
  width: 600px;
  height: 300px;
  background-color: yellow;
  display: grid;
  /* grid-template-rows: 50px 50px 50px 50px 50px;
  grid-template-columns: 200px 200px 200px; */
  grid-template-rows: repeat(3, 1fr);
}

.item {
  /* width: 100px;
  height: 50px; */
  background-color: greenyellow;
  border: 2px solid black;
  text-align: center;
}
```

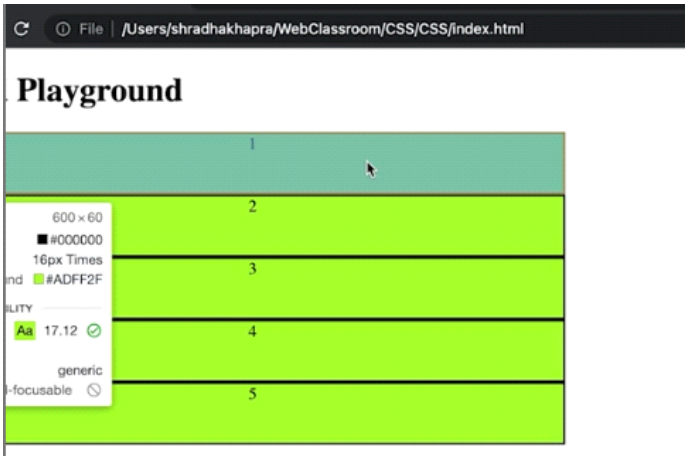
Grid Playground



====

```
    display: grid;
    /* grid-template-rows: 50px 50px 50px 50px 50
    grid-template-columns: 200px 200px 200px; */
    grid-template-rows: repeat(5, 1fr);
}

.item {
```



===

index.html # style.css

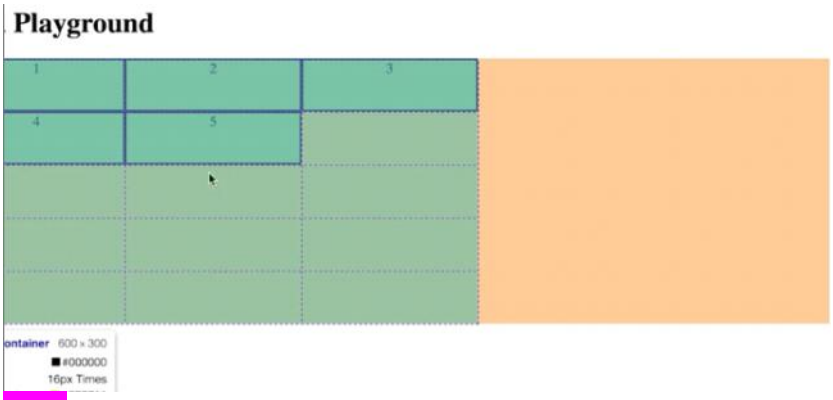
style.css > .container

```css
.container {
  width: 600px;
  height: 300px;
  background-color: yellow;
  display: grid;
  /* grid-template-rows: 50px 50px 50px 50px 50px;
  grid-template-columns: 200px 200px 200px; */
  grid-template-rows: repeat(5, 1fr);
  grid-template-columns: repeat(3, 1fr);
}

.item {
  /* width: 100px;
  height: 50px; */
  background-color: greenyellow;
  border: 2px solid black;
  text-align: center;
}
```

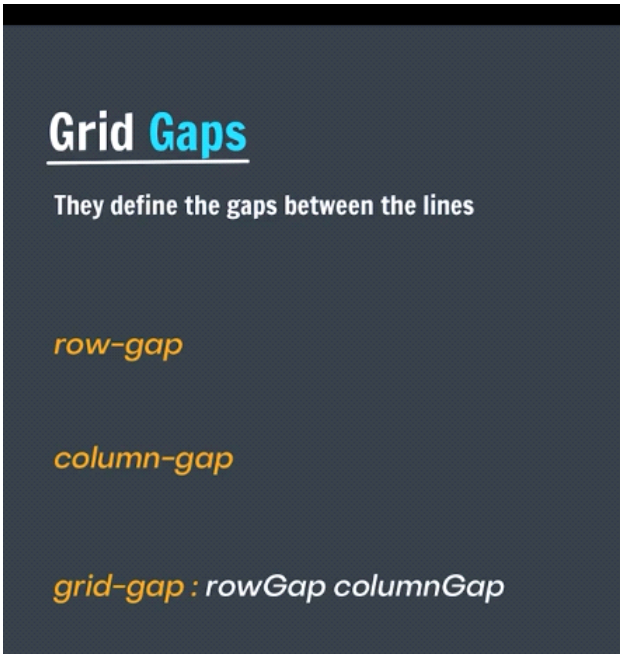
```css
/* grid-template-rows: 50px 50px 50px 50px
grid-template-columns: 200px 200px 200px;
grid-template-rows: repeat(5, 1fr);
grid-template-columns: repeat(3, 1fr);
}
```

When height and width are not given
Then all item take full cell space.
Answer:



===

Class 5: grid gaps

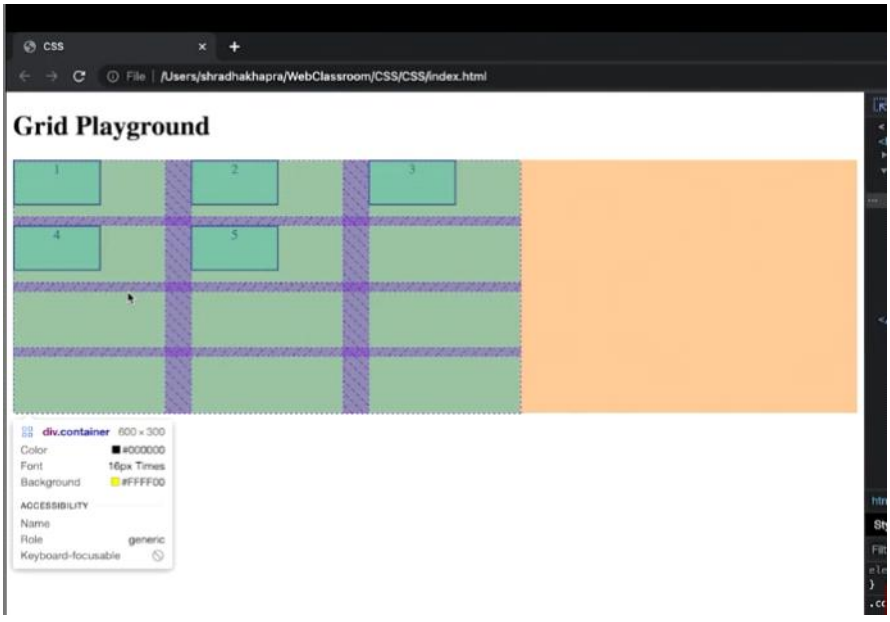



```
style.css > .container
1   .container {
2     width: 600px;
3     height: 300px;
4     background-color: yellow;
5     display: grid;
6     grid-template-rows: 1fr 1fr 1fr 1fr;
7     grid-template-columns: repeat(3, 1fr);
8     row-gap: 10px;
9   }
```

Given :
row gap : 10px;

==

```
6   grid-template-rows: 1fr 1fr
7   grid-template-columns: repea
8   /* row-gap: 10px;
9   column-gap: 30px; */
10  grid-gap: 10px 30px;
11  }
12
```

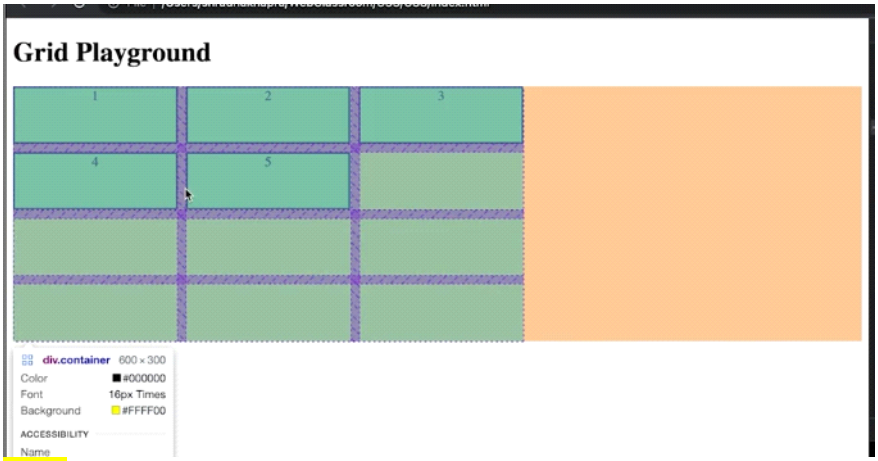


===

Grid-gap: 10px;
Means row and column all take same gap.
===

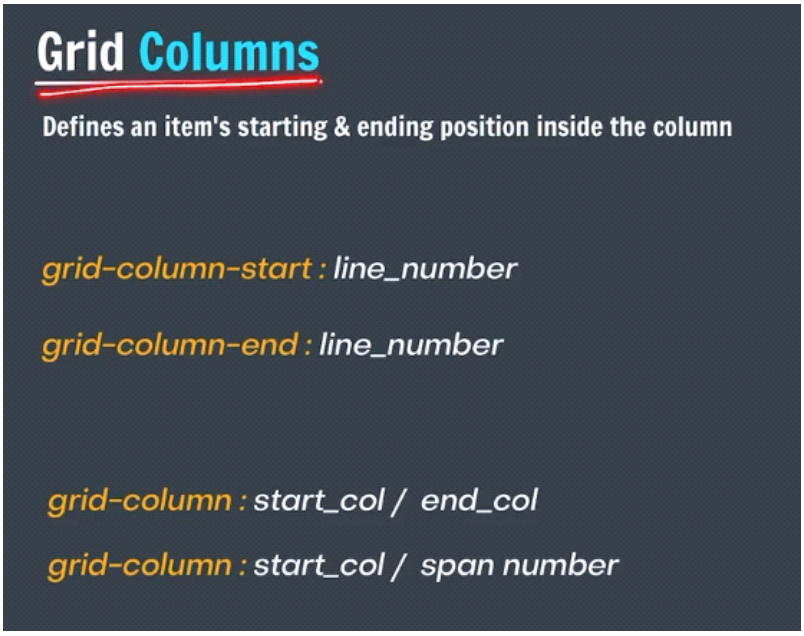
When delete the height and width

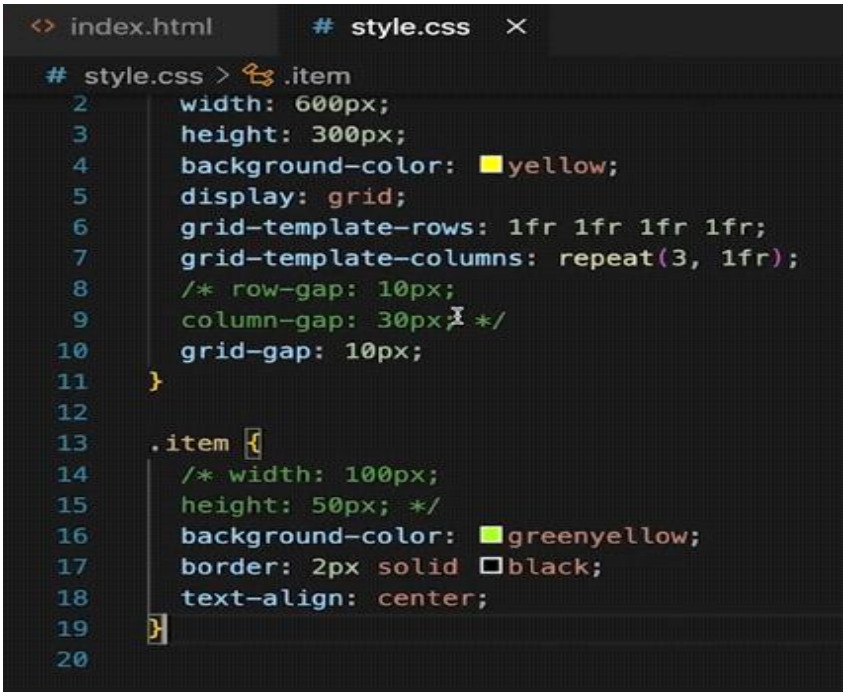
```
# style.css > .item
1   .container {
2     width: 600px;
3     height: 300px;
4     background-color: yellow;
5     display: grid;
6     grid-template-rows: 1fr 1fr 1fr 1fr;
7     grid-template-columns: repeat(3, 1fr);
8     /* row-gap: 10px;
9     column-gap: 30px; */
10    grid-gap: 10px;
11  }
12
13  .item {
14    /* width: 100px;
15    height: 50px; */
16    background-color: greenyellow;
17    border: 2px solid black;
18    text-align: center;
19  }
```

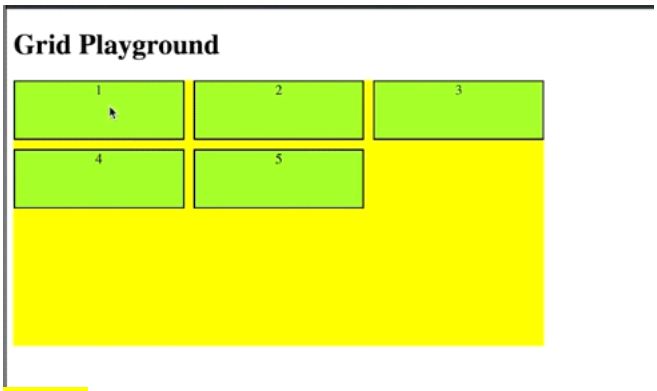


===

Class 6 : grid columns


Grid Columns
Defines an item's starting & ending position inside the column
grid-column-start : line_number
grid-column-end : line_number
grid-column : start_col / end_col
grid-column : start_col / span number


index.html
style.css
style.css > .item
width: 600px;
height: 300px;
background-color: yellow;
display: grid;
grid-template-rows: 1fr 1fr 1fr 1fr;
grid-template-columns: repeat(3, 1fr);
/* row-gap: 10px;
column-gap: 30px; */
grid-gap: 10px;
}
.item {
/* width: 100px;
height: 50px; */
background-color: greenyellow;
border: 2px solid black;
text-align: center;
}


Grid Playground
1
2
3
4
5

====

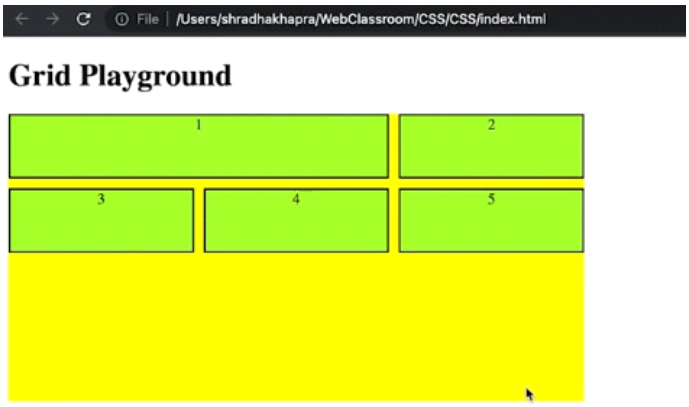
First:

Give indivisual class of item one

```html
<h1>Grid Playground</h1>
<div class="container">
  <div class="item one">1</div>
  <div class="item">2</div>
  <div class="item">3</div>
  <div class="item">4</div>
  <div class="item">5</div>
</div>
```

```css
.item {
  /* width: 100px;
  height: 50px; */
  background-color: greenyellow;
  border: 2px solid black;
  text-align: center;
}

.one {
  grid-column-start: 1;
  grid-column-end: 3;
}
```

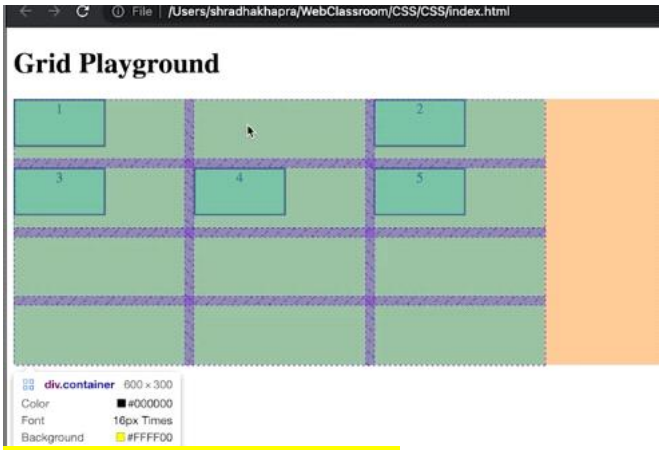


==

When give : width and height

```css
.item {
  width: 100px;
  height: 50px;
  background-color: g
```

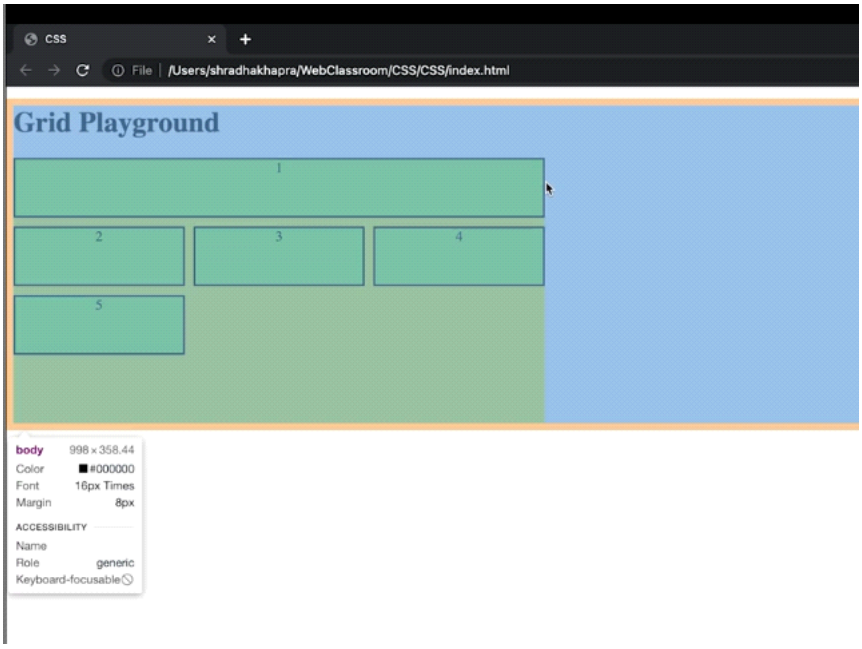
Here 2nd cell space take 1st item . Though it's
Width is small.



===other way to right:

```
    height: 50px; */
    background-color: greenyellow;
    border: 2px solid black;
    text-align: center;
}

.one {
    /* grid-column-start: 1;
    grid-column-end: 4; */
    grid-column: 1/4
}
```



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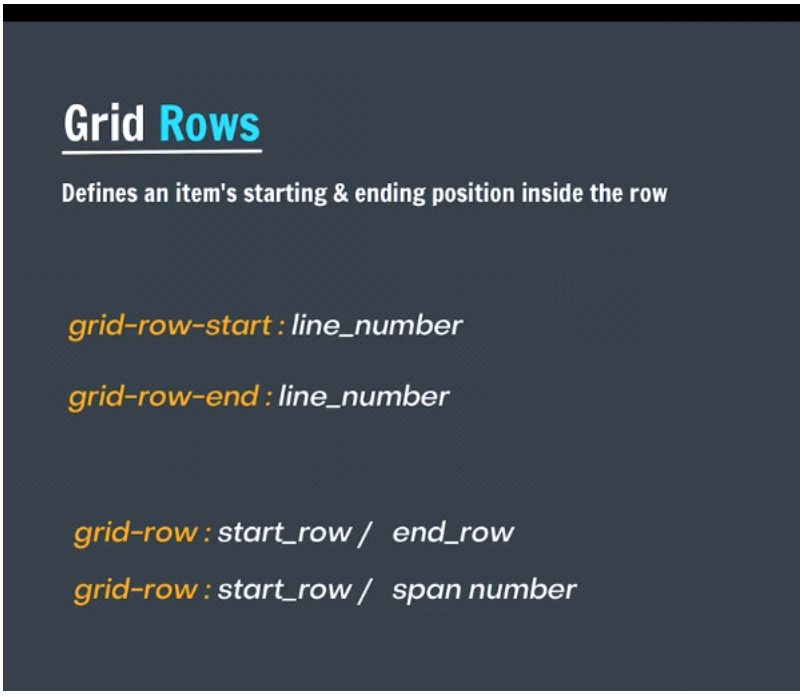
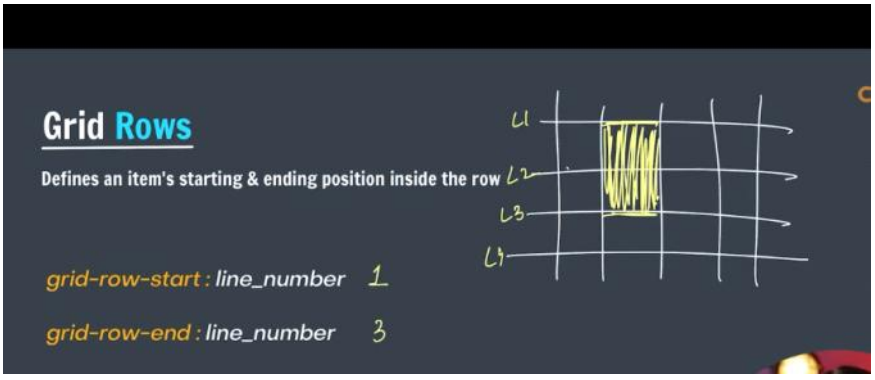
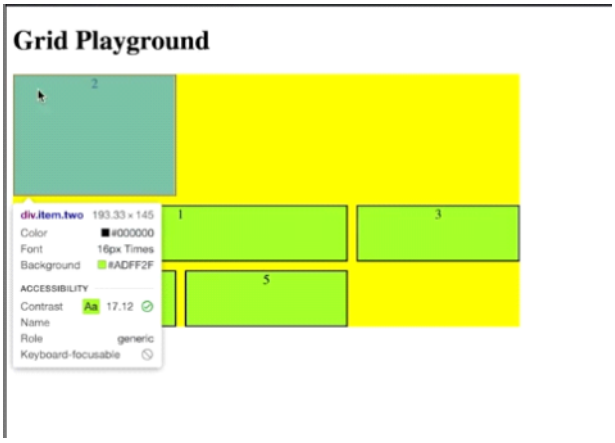
Class 7: Grid Rows

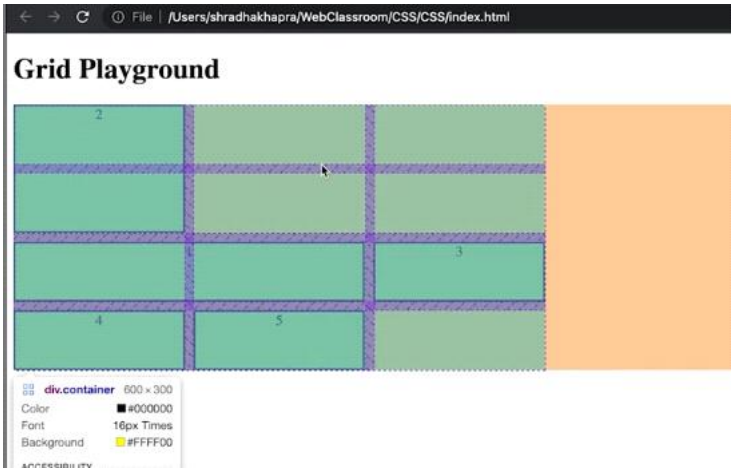





```
19  }
20
21  .one {
22    /* grid-column-start: 1;
23    grid-column-end: 4; */
24    grid-column: 1 / span 2;
25  }
26
27  .two {
28    /* grid-row-start: 1;
29    grid-row-end: 3; */
30    grid-row: 1/
31  }
32
```



If inspect:



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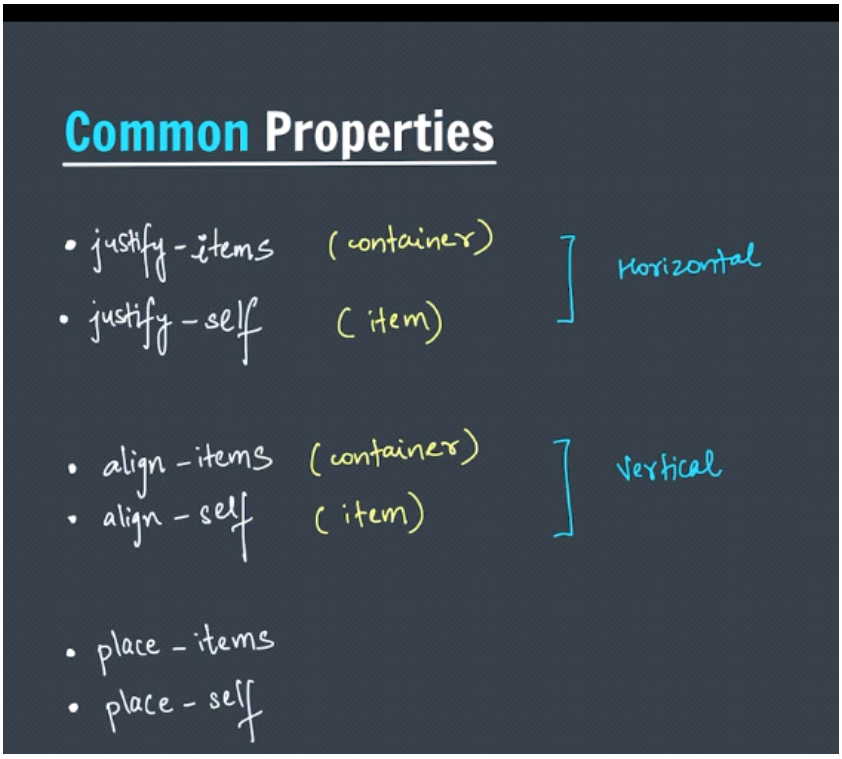
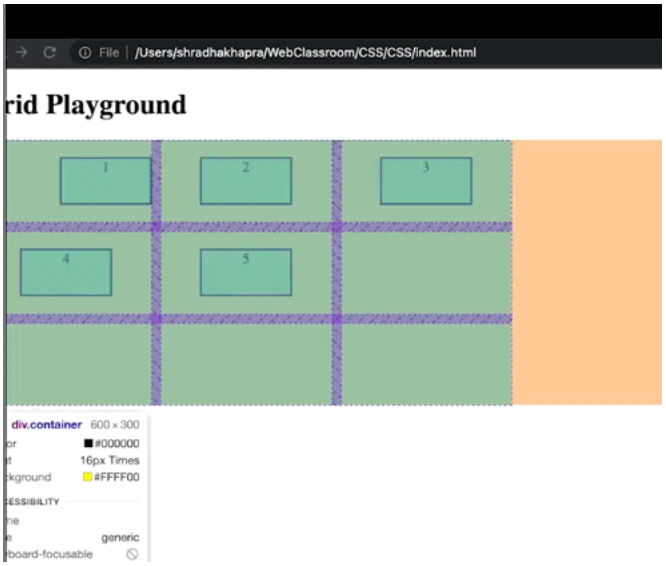
Class : 08



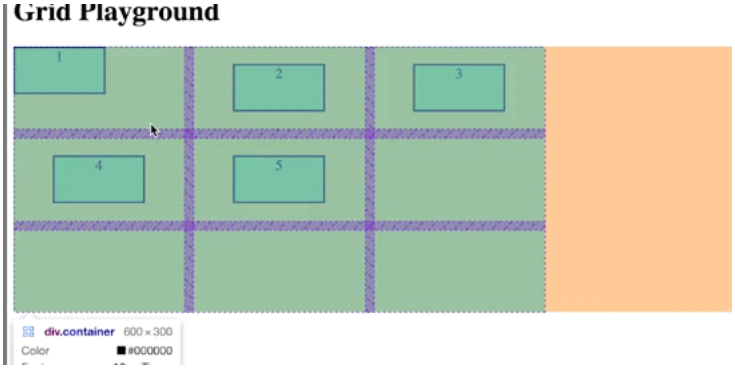
style.css > .container

```css
.container {
  width: 600px;
  height: 300px;
  background-color: yellow;
  display: grid;
  grid-template-rows: 1fr 1fr 1fr;
  grid-template-columns: repeat(3, 1fr);
  /* row-gap: 10px;
  column-gap: 30px; */
  grid-gap: 10px;
  justify-items: center;
  align-items: center;
}

.item {
  width: 100px;
  height: 50px;
  background-color: greenyellow;
  border: 2px solid black;
  text-align: center;
}

.one {
  justify-self: end;
```



=====

==========

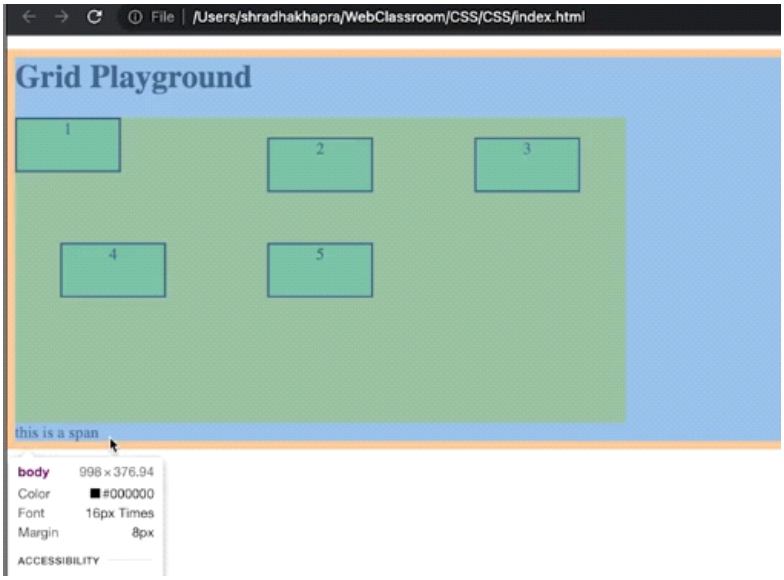


=====

.container {
…….
……..
Display: grid;
}
It works as block element for all items.

Here span take new line

```
<body>
  <h1>Grid Playground</h1>
  <div class="container">
    <div class="item one">1</div>
    <div class="item two">2</div>
    <div class="item">3</div>
    <div class="item">4</div>
    <div class="item">5</div>
  </div>
  <span>this is a span</span>
</body>
```



========

==========

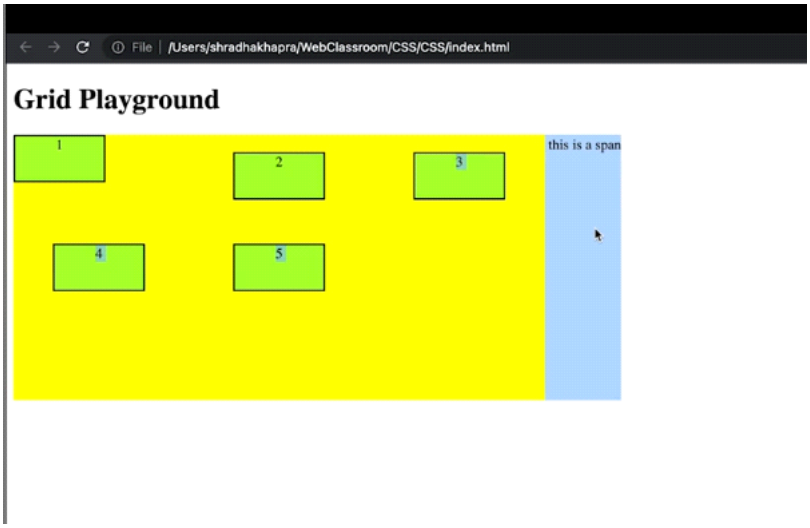
If we create :

Display: inline-grid;

Then new element take space.

```
# style.css > .container
1  .container {
2    width: 600px;
3    height: 300px;
4    background-color: yellow;
5    display: inline-grid;
6    grid-template-ro  inline-block
7    grid-template-co  inline-flex
8    /* row-gap: 10px  inline-flexbox
```

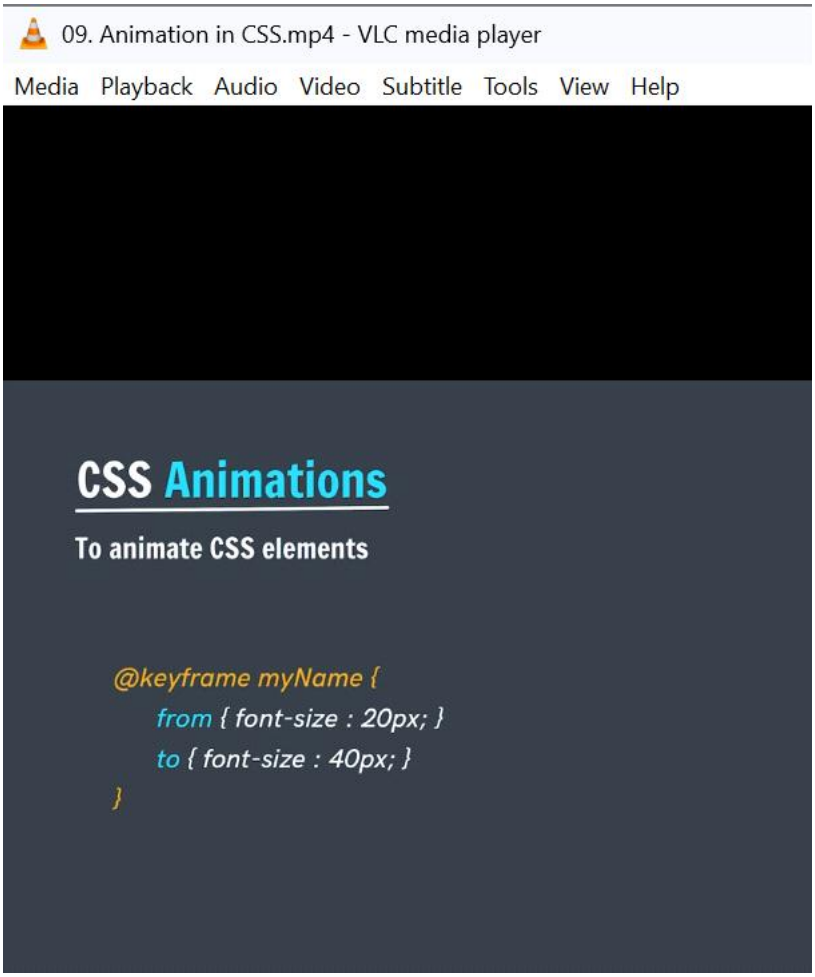
o/p:



=====

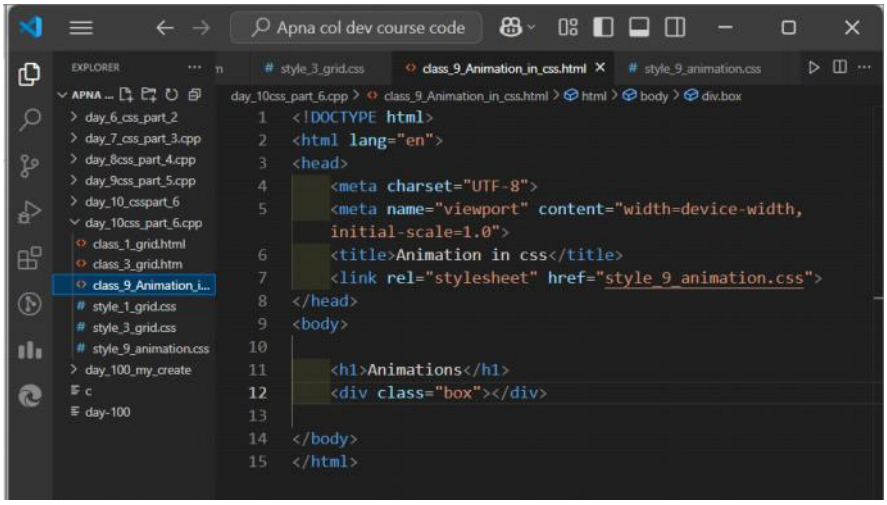
==========

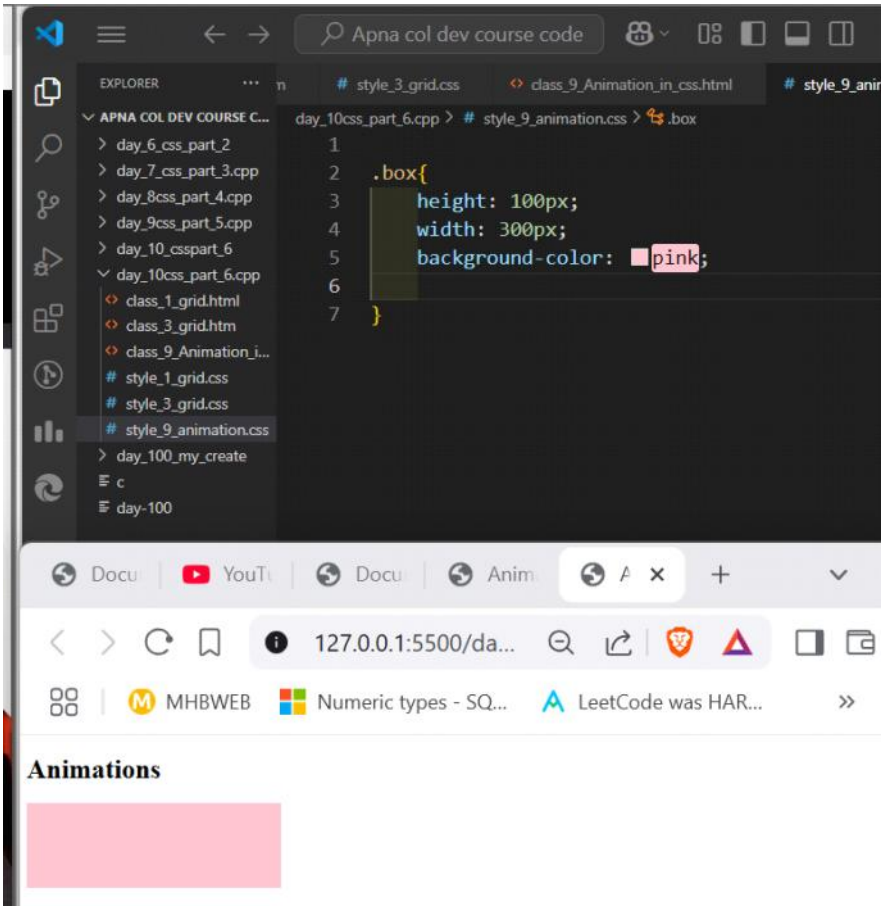
Class :9



Here, myname is animation name.

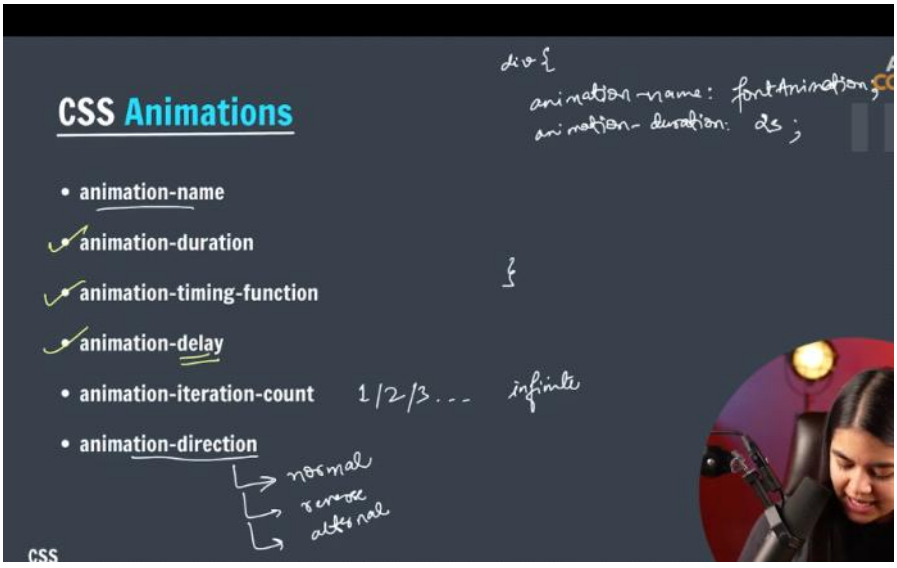
From "start state"
To "final state".
====


Apna col dev course code
EXPLORER
style_3_grid.css
class_9_Animation_in_css.html
style_9_animation.css
day_10css_part_6.cpp > class_9_Animation_in_css.html > html > body > div.box
day_6_css_part_2
day_7_css_part_3.cpp
day_8css_part_4.cpp
day_9css_part_5.cpp
day_10_csspart_6
day_10css_part_6.cpp
class_1_grid.html
class_3_grid.htm
class_9_Animation_i...
style_1_grid.css
style_3_grid.css
style_9_animation.css
day_100_my_create
c
day-100
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="UTF-8">
5 <meta name="viewport" content="width=device-width, initial-scale=1.0">
6 <title>Animation in css</title>
7 <link rel="stylesheet" href="style_9_animation.css">
8 </head>
9 <body>
10
11 <h1>Animations</h1>
12
13
14 </body>
15 </html>

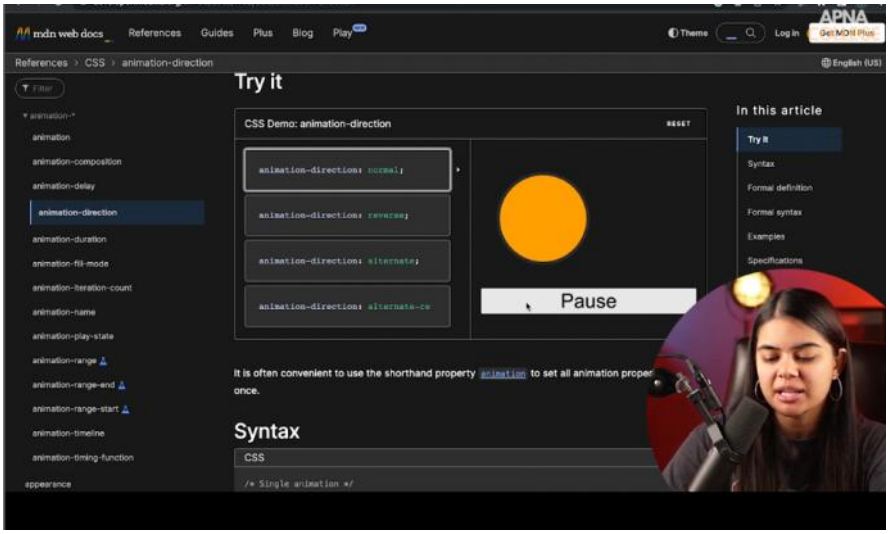

Apna col dev course code
EXPLORER
style_3_grid.css
class_9_Animation_in_css.html
style_9_ani
APNA COL DEV COURSE C...
day_10css_part_6.cpp > style_9_animation.css > .box
day_6_css_part_2
day_7_css_part_3.cpp
day_8css_part_4.cpp
day_9css_part_5.cpp
day_10_csspart_6
day_10css_part_6.cpp
class_1_grid.html
class_3_grid.htm
class_9_Animation_i...
style_1_grid.css
style_3_grid.css
style_9_animation.css
day_100_my_create
c
day-100
1
2 .box{
3 height: 100px;
4 width: 300px;
5 background-color: pink;
6
7 }
Docu
YouT
Docu
Anim
127.0.0.1:5500/da...
MHBWEB
Numeric types - SQ...
LeetCode was HAR...
Animations

======

====

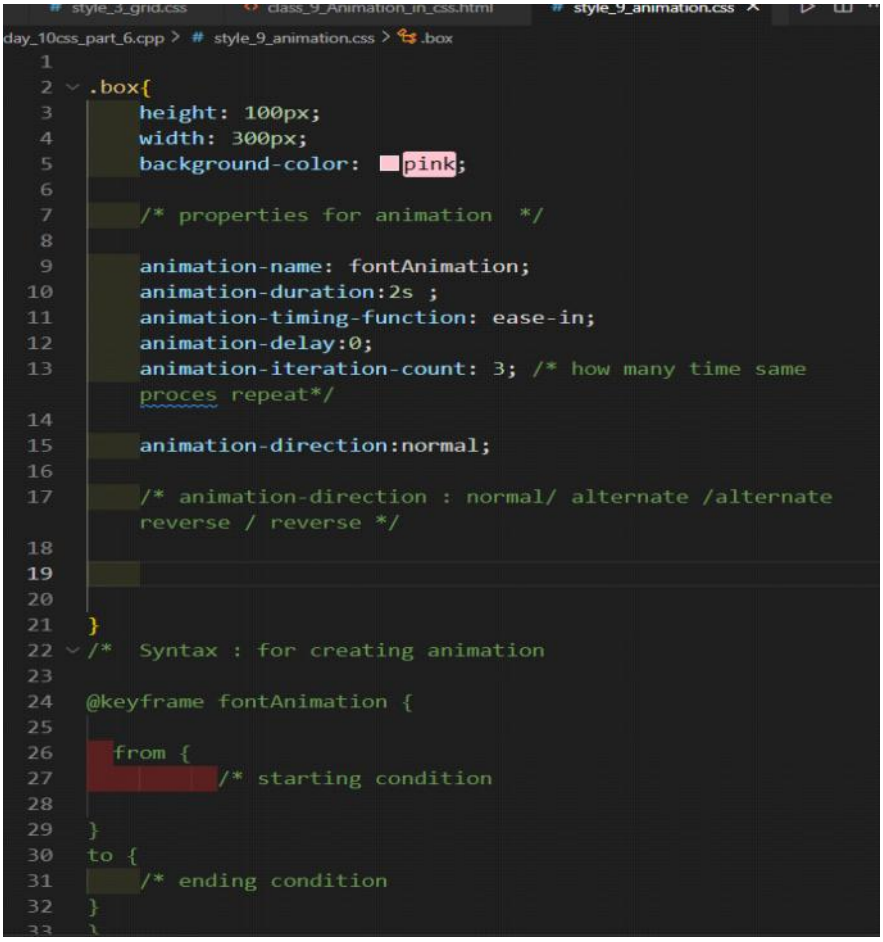


seacrh:
Animation dircetion MDN:



=====

==========



```
day_10css_part_6.cpp > # style_9_animation.css > .box
1
2   .box{
3       height: 100px;
4       width: 300px;
5       background-color: pink;
6
7       /* properties for animation  */
8
9       animation-name: fontAnimation;
10      animation-duration:2s ;
11      animation-timing-function: ease-in;
12      animation-delay:0;
13      animation-iteration-count: 3; /* how many time same
        proces repeat*/
14
15      animation-direction:normal;
16
17      /* animation-direction : normal/ alternate /alternate
        reverse / reverse */
18
19
20
21  }
22  /*  Syntax : for creating animation
23
24  @keyframe fontAnimation {
25
26      from {
27              /* starting condition
28
29      }
30      to {
31          /* ending condition
32      }
33  }
```

```
32  }
33  }
34
35  */
36
37  @keyframes fontAnimation {
38      from {
39          font-size: 20px;
40      }
41      to {
42          font-size:40px;
43      }
44
45  }
46
```

o/P:

Animations

This is a box

Size increasing

Animations

This is a box

=========
==========

NEXT Animaiton:

```
.box{
    background-color: pink;

    /* properties for animation  */

    /* animation-name: fontAnimation;

    animation-name: colorAnimate;
    animation-duration:2s ;
    animation-timing-function: ease-in
    animation-delay:0;
    animation-iteration-count: 3; /* h
    proces repeat*/

    animation-direction:normal;

    /* animation-direction : normal/ a
    reverse / reverse */


}
```

```
@keyframes colorAnimate {
  from {
    background-color: green;
  }
  to {
    background-color: blue;
  }
}
```

o/p:
Color change bule to green

=========
Give:
Animation-name: widhtAnimate;
In box class.

```
63  }
64
65  /* work:
66  when run:
67  change width 20px to 400px  left to right
68  continuously 3 times
69  */
70  @keyframes widthAnimate
71  {
72      from {
73          width: 10px;
74      }
75      to {
76          width: 400px;
77      }
78
79  }
80
81
```

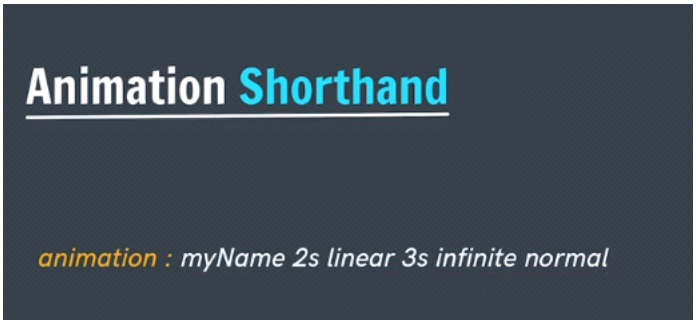
====

```
animation-name: widthAnimate;
animation-duration: 3s;
animation-timing-func 3ms
animation-delay: 0; 3s
animation-iteration-count: infinite;
animation-direction: normal;
}
```

When set
Animation-iteration-count: infinte;
Animation-duration : 3s;

It animate 3 s continuously.
=========

Class : 10 Animaiton shorthand property



====

```
style.css > ...
    /* animation-name: widthAnimate;
    animation-duration: 3s;
    animation-timing-function: ease-in;
    animation-delay: 0;
    animation-iteration-count: infinite;
    animation-direction: normal; */

    animation: widthAnimate 3s ease-in 0s infinite normal;
}

@keyframes widthAnimate {
    from {
        width: 10px;
    }
    to {
        width: 400px;
    }
```

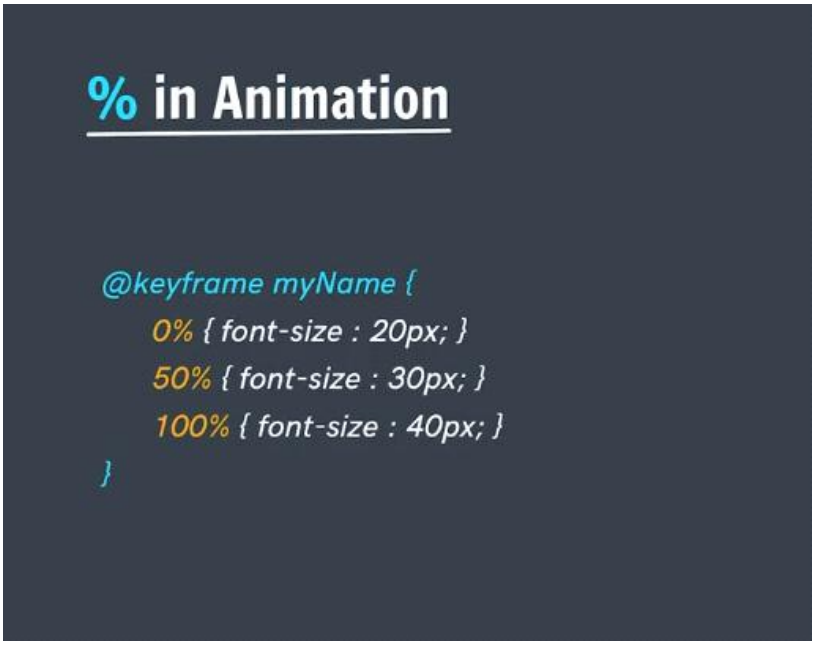
=====

when I want to more property set in a Single syntax or @ keyframe sector::

```
    animation-direction: normal; */

    animation: widthAnimate 3s ease-in 0s 2 normal;
}

@keyframes widthAnimate {
    from {
        width: 10px;
        background-color: green;
    }
    to {
        width: 400px;
        background-color: blue;
        border-radius: 15px;
    }
```

====

Class : 11



Stage :1
Stage: 2
Stage: 3

==========

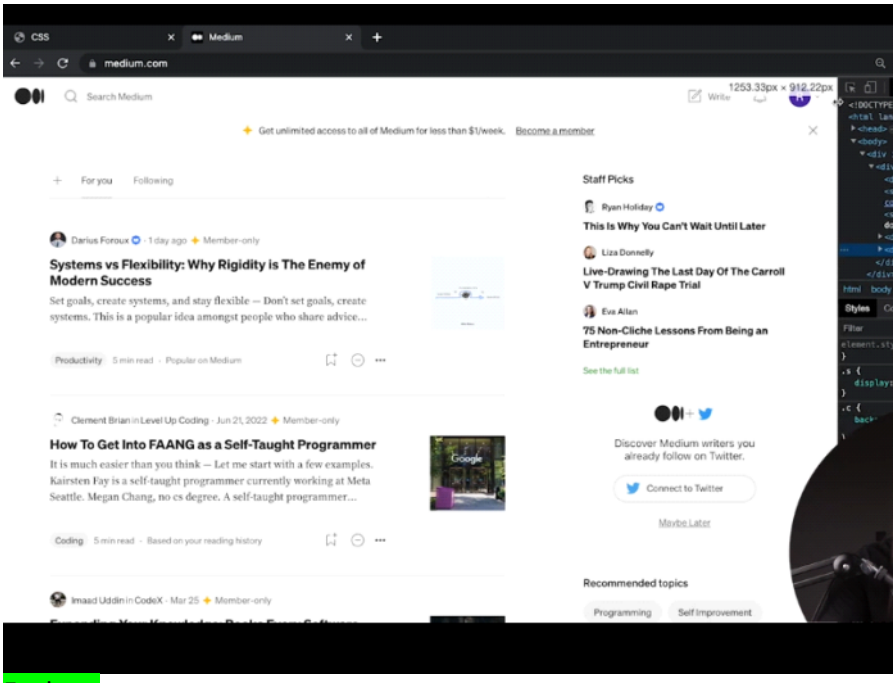
4 stage animation :

```
106
107
108  @keyframes colAnimate2  {
109      0% {
110          background-color: green;
111      }
112      50% {
113          background-color: yellow;
114      }
115      80%{
116          background-color: red;
117      }
118      100% {
119          background-color: blue;
120      }
121
122  }
```

=====

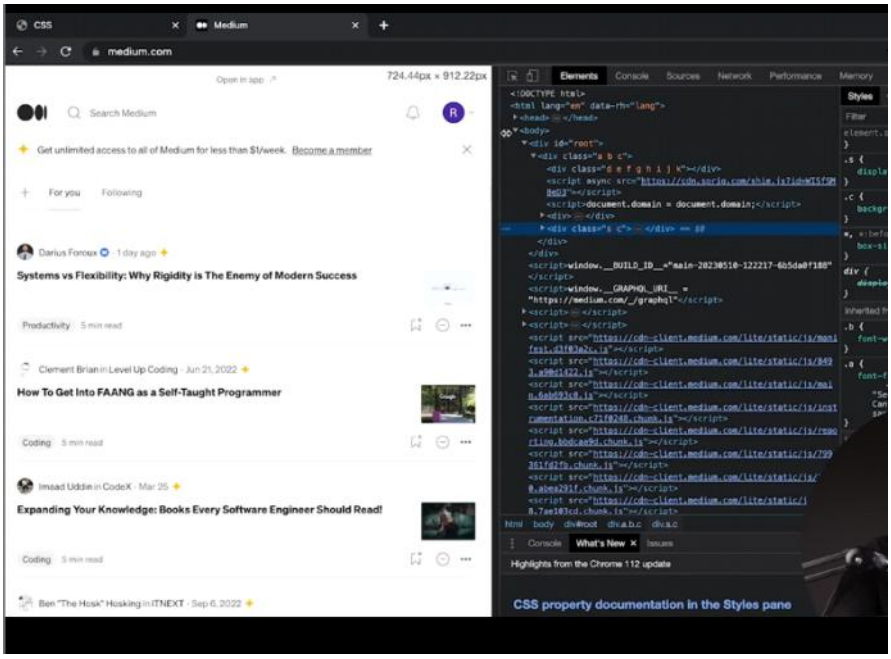
Class: 12 Media Queries

Iphone, samsung, window
Same phone landscript, horizontal, ve Rtical,
Go: open medium.com

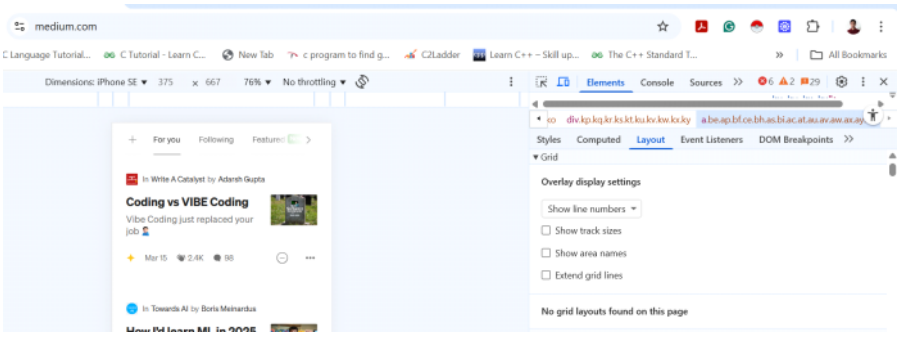


Explore

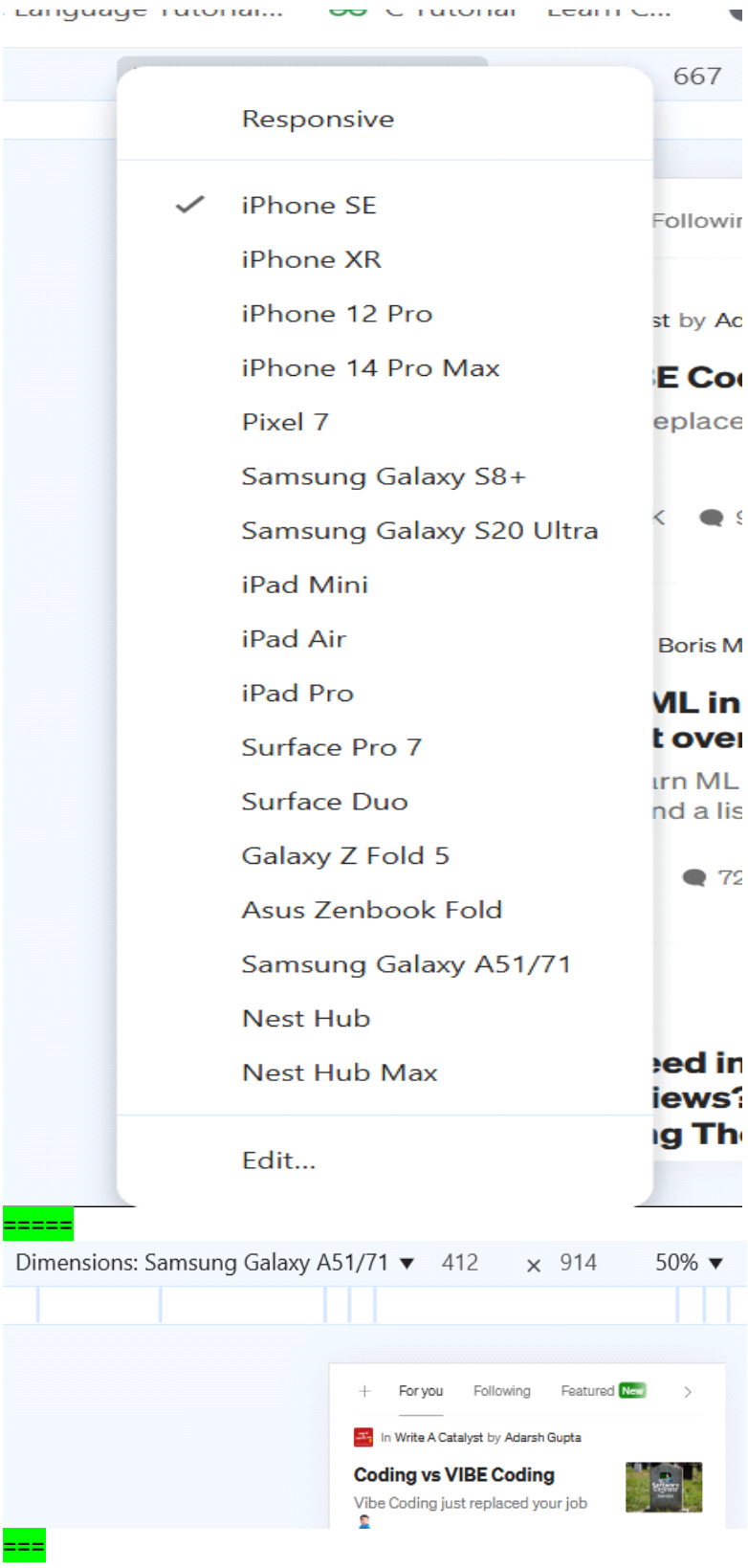
When I decrease the website size then see:



Note: from inspect we can see many dirrerent type Dimention : where we can test diff type devices it's Visualization .



Here, if I click left button of the element;
we can see dimention and can check many type form For diff devices.


Responsive
iPhone SE
iPhone XR
iPhone 12 Pro
iPhone 14 Pro Max
Pixel 7
Samsung Galaxy S8+
Samsung Galaxy S20 Ultra
iPad Mini
iPad Air
iPad Pro
Surface Pro 7
Surface Duo
Galaxy Z Fold 5
Asus Zenbook Fold
Samsung Galaxy A51/71
Nest Hub
Nest Hub Max
Edit...
Dimensions: Samsung Galaxy A51/71 412 × 914 50%
For you
Following
Featured
New
In Write A Catalyst by Adarsh Gupta
Coding vs VIBE Coding
Vibe Coding just replaced your job

Media Queries

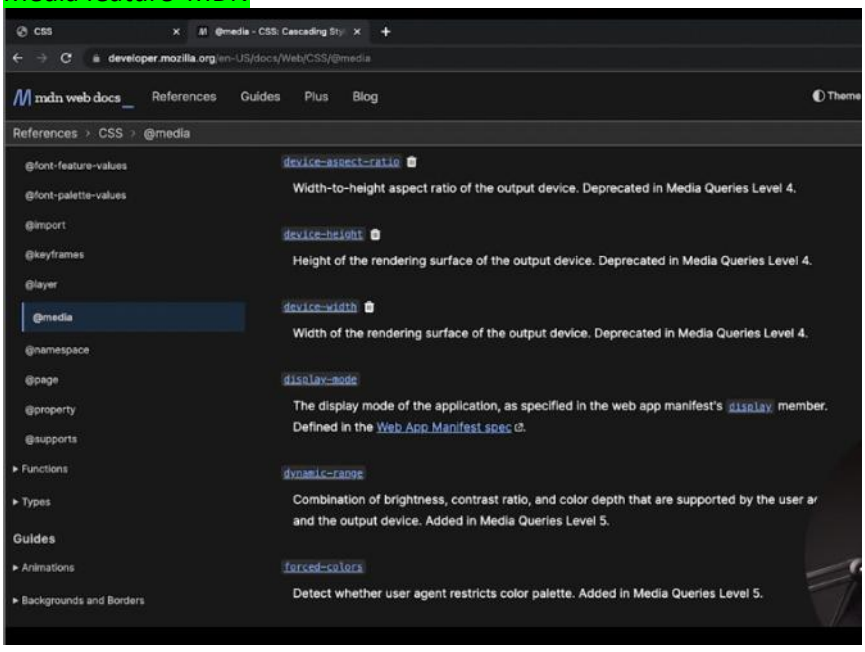
media features - width (of viewport)

```
@media (width : 400px) {
    div {
        background-color : red;
    }
}
```

Condition:

If width : 400px
Then b-g color will be : red;

Seacrh:
Media feature MDN



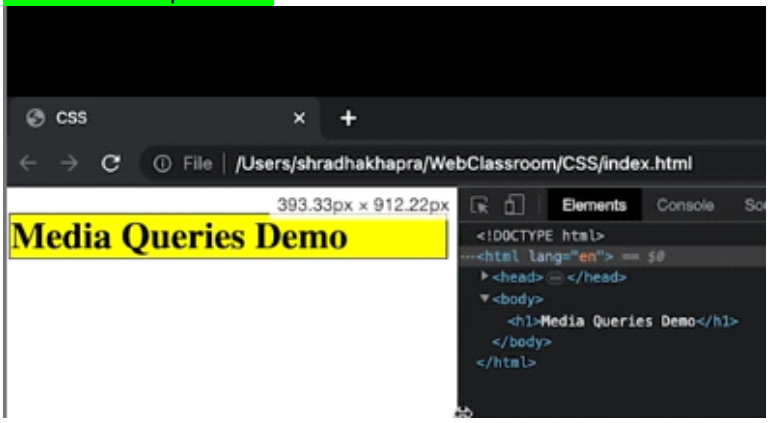
==========

Conditon

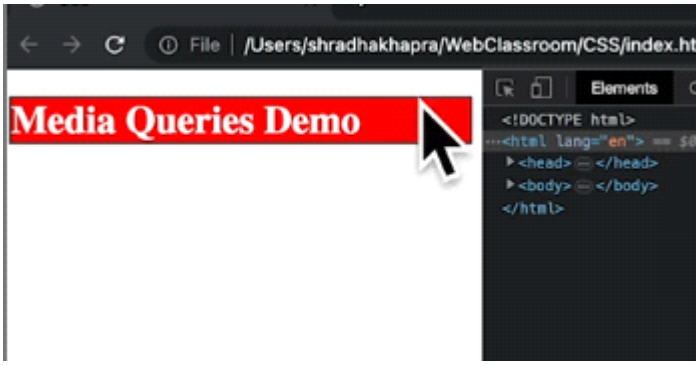
```
index.html    # style.css
# style.css > {} @media (width: 400px) > h1
1   h1 {
2     background-color: yellow;
3     border: 2px solid black;
4   }
5
6   @media (width: 400px) {
7     h1 {
8       background-color: red;
9       color: white;
10    }
11  }
12
```

o/p:

When 393.33 px width



When 400px width : then b-g color: red;
And color: white;



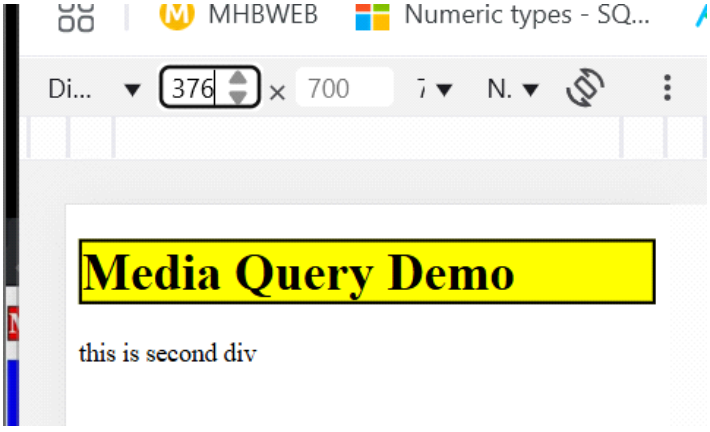
====

```
/* if width == 400px , then it's color will be aqua */
@media (width:400px){
    h1{
        background-color: aqua;
    }

    div {
        height: 100px;
        width: 100px;
        background-color: blue;
    }

}
```

```
</head>
<body>

<h1>Media Query Demo</h1>

<div>this is second div</div>

</body>
</html>
```

o/P:

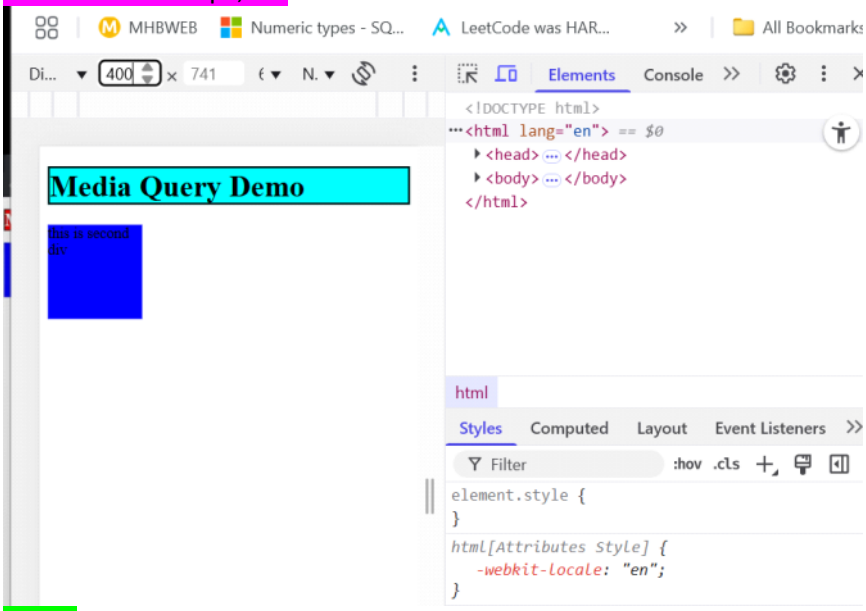
====



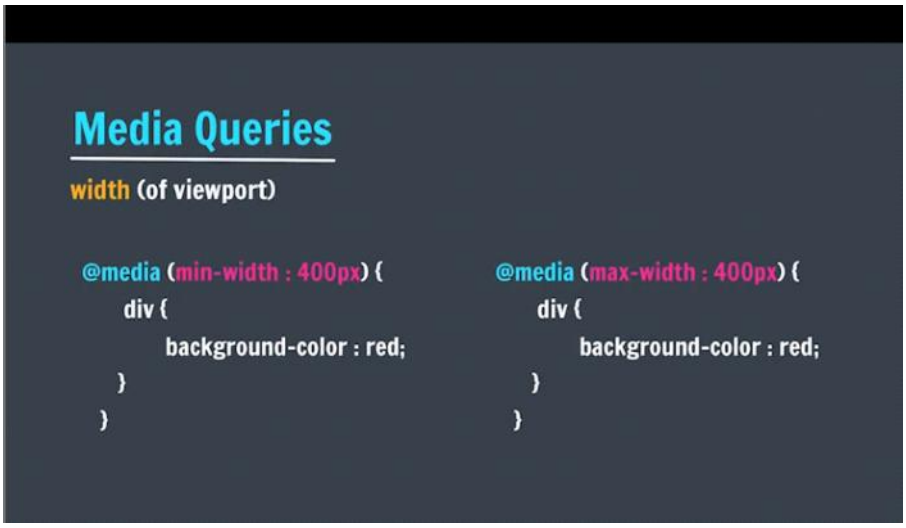
======

==========

When width: 400px; set



=====

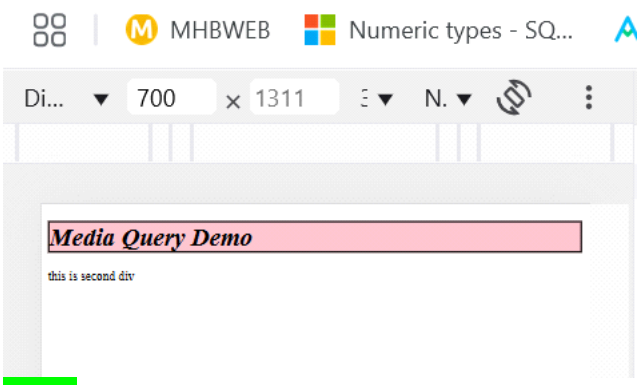


here:

Width: 0 to 400px color: red;

If width: 400 px to more ;
Color: red;

==========

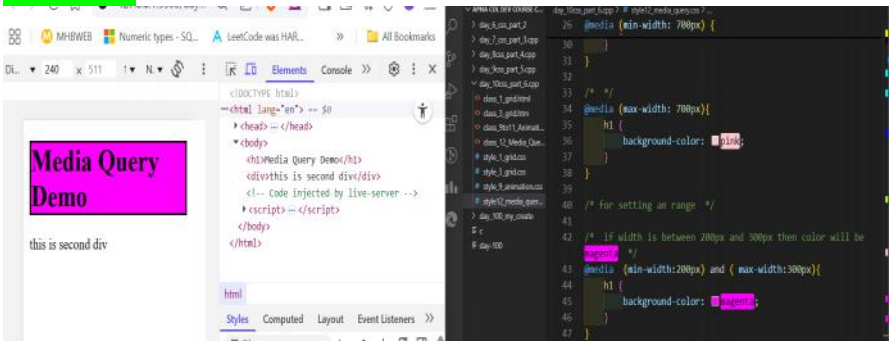


=====

```css
/* media query condiron  */

/* if width == 400px , then it's color will be aqua */
@media (width:400px){
    h1{
        background-color: aqua;
    }

    div {
        height: 100px;
        width: 100px;
        background-color: blue;
    }


}

/* min-width: 700px;   */

@media (min-width: 700px) {
    h1 {
        background-color: greenyellow;
        font-style: italic;
    }
}

/*  */
@media (max-width: 700px){
    h1 {
        background-color: pink;
    }
}
```

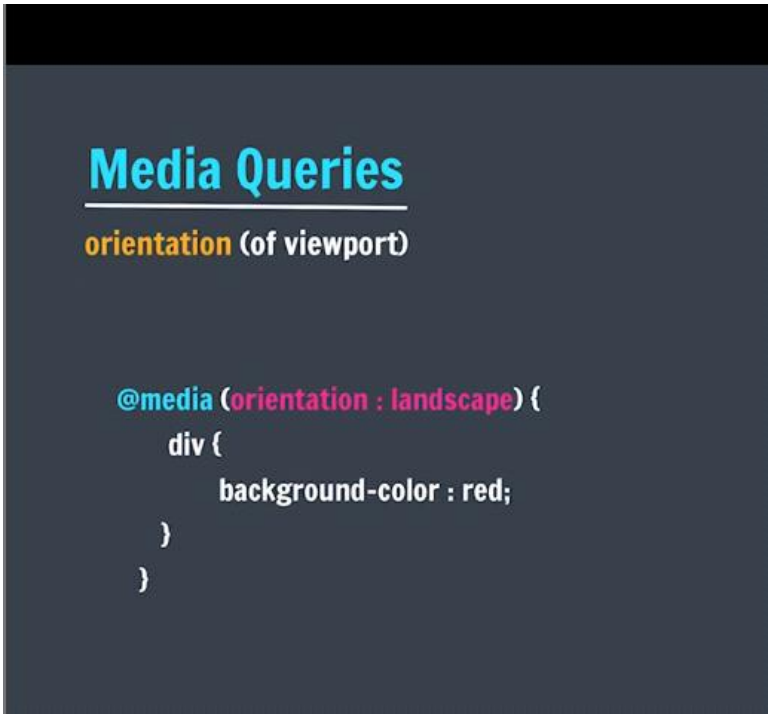
===

==========



===

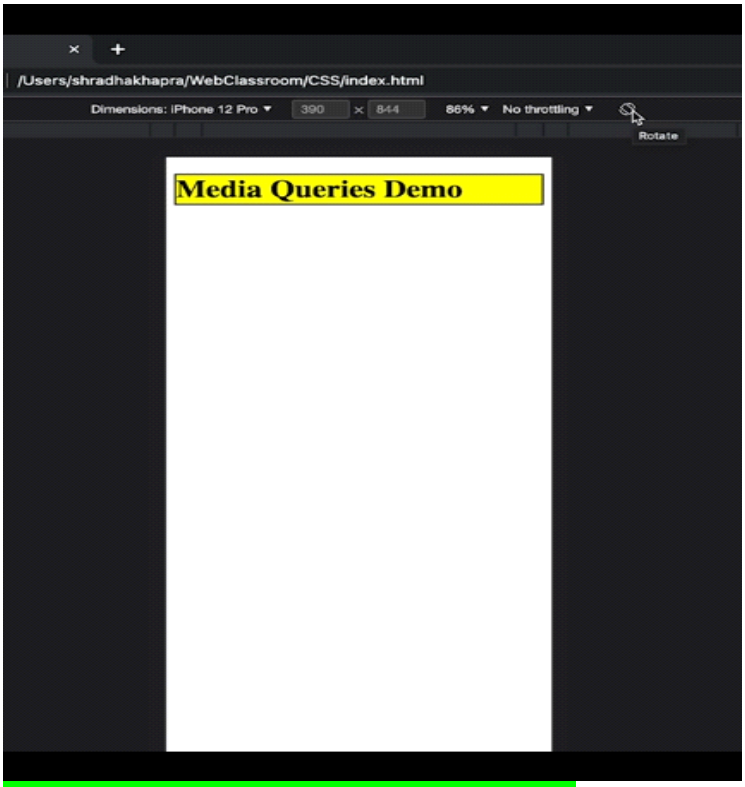
Class : 13 Orientation



Two type orientation :

1.landscape

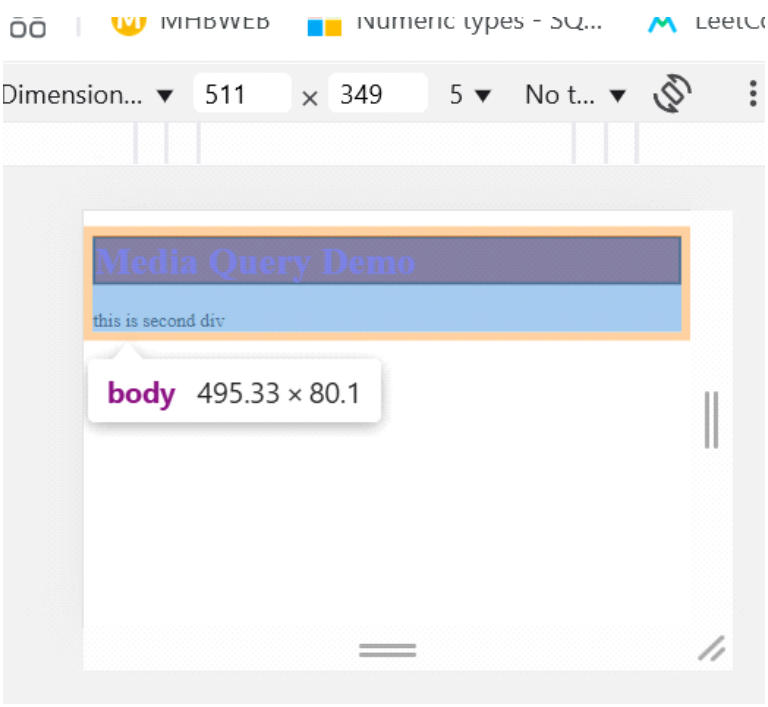
2.



Here I can rotate , and can see landscape mode.

```
50
51  /* class: 13 Media  if landscape then color: aqua */
52
53  @media (orientation: landscape) {
54      h1{
55          background-color: brown;
56          color: blueviolet
57      }
58
59  }
60
```

When land scape mode:

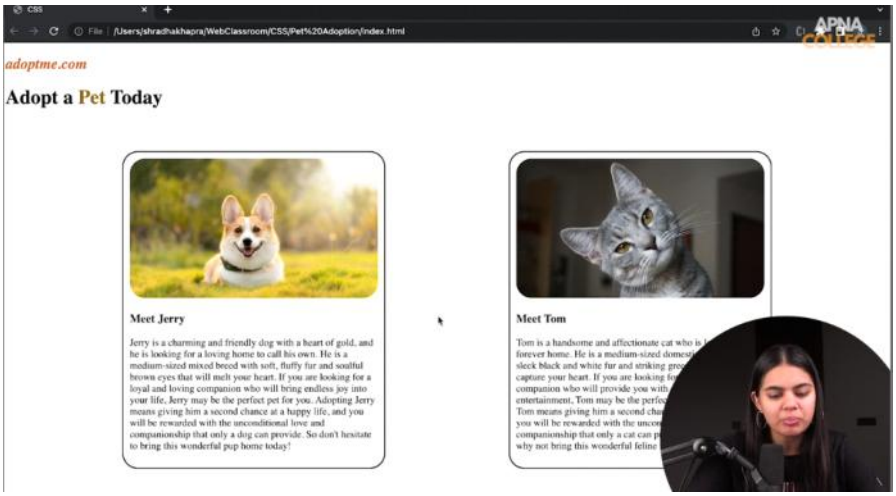


===

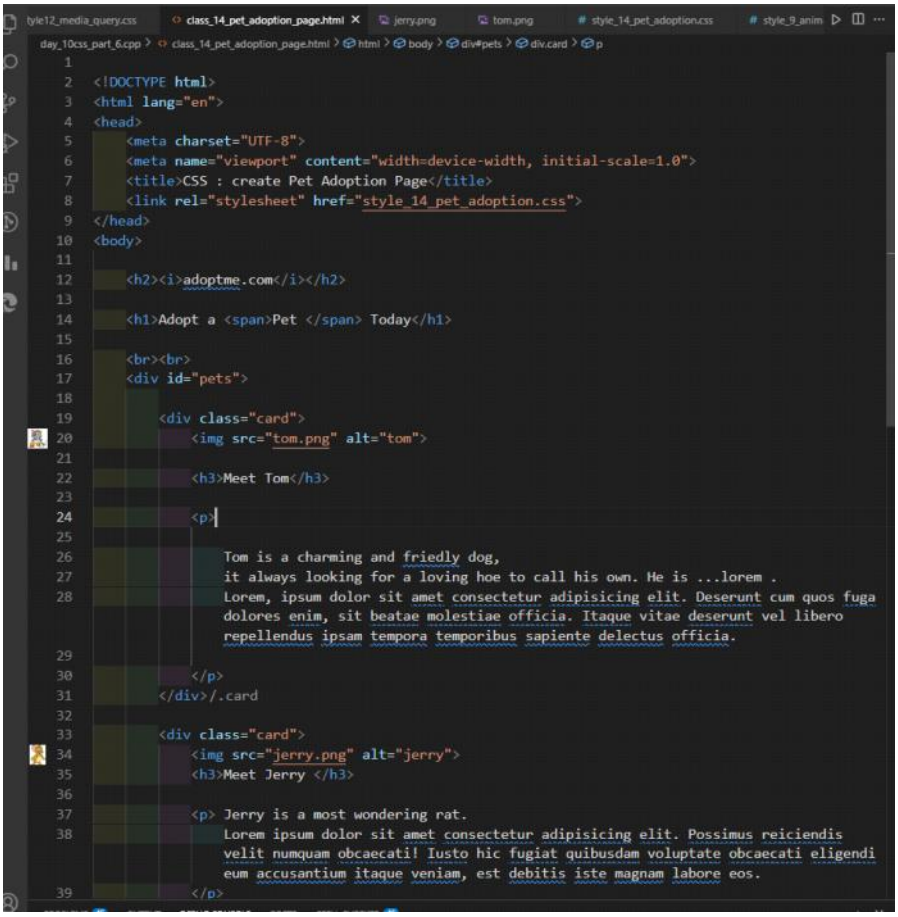
This button is help to convert landscape .
==========

Class: 14: Pet Adoption Page (do this class again)


Create a responsive Pet Adoption Page


adoptme.com
Adopt a Pet Today
Meet Jerry
Jerry is a charming and friendly dog with a heart of gold, and he is looking for a loving home to call his own. He is a medium-sized mixed breed with soft, fluffy fur and soulful brown eyes that will melt your heart. If you are looking for a loyal and loving companion who will bring endless joy into your life, Jerry may be the perfect pet for you. Adopting Jerry means giving him a second chance at a happy life, and you will be rewarded with the unconditional love and companionship that only a dog can provide. So don't hesitate to bring this wonderful pup home today!
Meet Tom

==


tyle12_media_query.css
class_14_pet_adoption_page.html
jerry.png
tom.png
style_14_pet_adoption.css
style_9_anim
day_10css_part_6.cpp > class_14_pet_adoption_page.html > html > body > div#pets > div.card > p
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8">
<meta name="viewport" content="width=device-width, initial-scale=1.0">
<title>CSS : create Pet Adoption Page</title>
<link rel="stylesheet" href="style_14_pet_adoption.css">
</head>
<body>
<h2>adoptme.com</h2>
<h1>Adopt a Pet Today</h1>

<img src="tom.png" alt="tom">
<h3>Meet Tom</h3>

Tom is a charming and friedly dog,
it always looking for a loving hoe to call his own. He is ...lorem .
Lorem, ipsum dolor sit amet consectetur adipisicing elit. Deserunt cum quos fuga
dolores enim, sit beatae molestiae officia. Itaque vitae deserunt vel libero
repellendus ipsam tempora temporibus sapiente delectus officia.

/.card

<img src="jerry.png" alt="jerry">
<h3>Meet Jerry </h3>
 Jerry is a most wondering rat.
Lorem ipsum dolor sit amet consectetur adipisicing elit. Possimus reiciendis
velit numquam obcaecati! Iusto hic fugiat quibusdam voluptate obcaecati eligendi
eum accusantium itaque veniam, est debitis iste magnam labore eos.

```
                repellendus ipsam tempora temporibus sapiente delectus officia.
29
30              </p>
31          </div>/.card
32
33          <div class="card">
34              <img src="jerry.png" alt="jerry">
35              <h3>Meet Jerry </h3>
36
37              <p> Jerry is a most wondering rat.
38                  Lorem ipsum dolor sit amet consectetur adipisicing elit. Possimus reiciendis
                    velit numquam obcaecati! Iusto hic fugiat quibusdam voluptate obcaecati eligendi
                    eum accusantium itaque veniam, est debitis iste magnam labore eos.
39              </p>
40
41          </div>/.card
42
43
44      </div>/#pets
45
46      <h4> a gift of new life</h4>
47
48
49  </body>
50  </html>
51
```

====

o/p:

Meet Tom

Tom is a charming and friedly dog, it always looking for a loving hoe to call his own. He is ...lorem . Lorem, ipsum dolor sit amet consectetu enim, sit beatae molestiae officia. Itaque vitae deserunt vel libero repellendus ipsam tempora temporibus sapiente delectus officia.

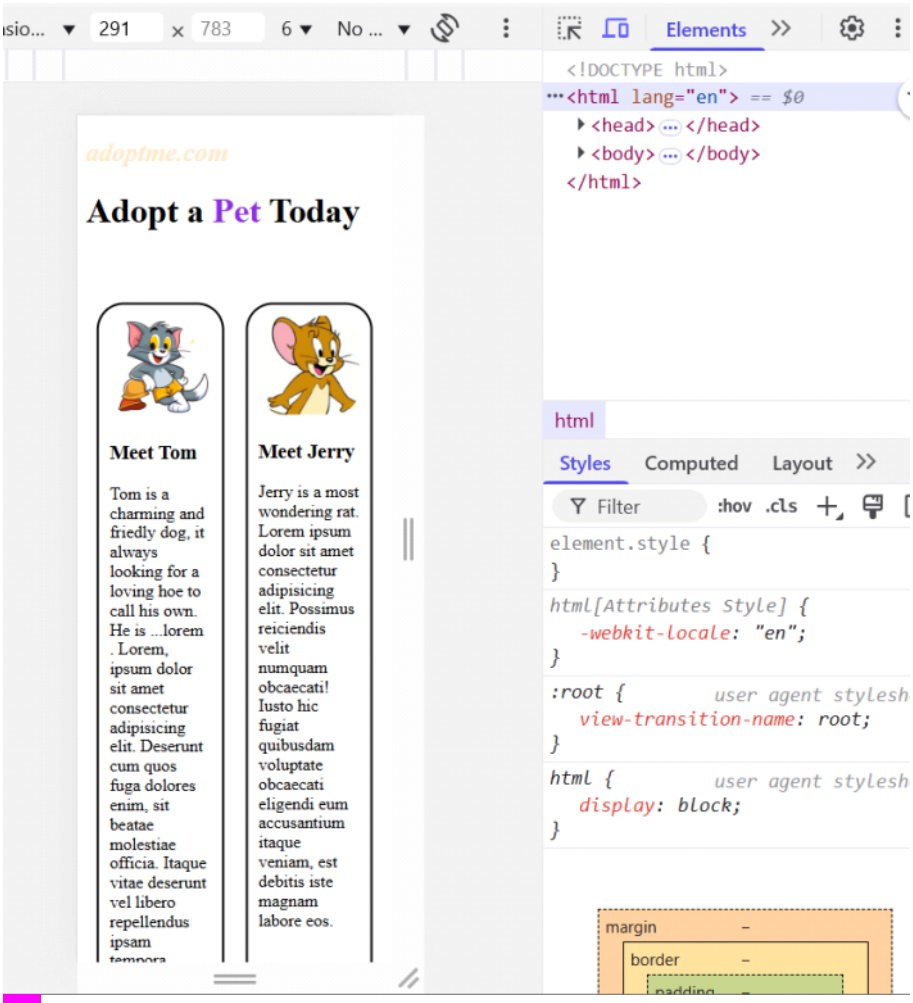
Meet Jerry

Jerry is a most wondering rat. Lorem ipsum dolor sit amet consectetur adipisicing elit. Possimus reiciendis velit numquam obcaecati! Iusto h eum accusantium itaque veniam, est debitis iste magnam labore eos.

===

```
.card {
    width:400px;
    border:2px solid black;
    border-radius:25px;
    padding: 10px;
    margin:10px;
}

img {
    width:100%;
    border-radius: 25px;
}

h2 {
    color: bisque
}

span {
    color: blueviolet
}


h4 {
    text-align:right;
    color: aqua
}

#pets {
    display: flex;
    justify-content: space-evenly;
}
```

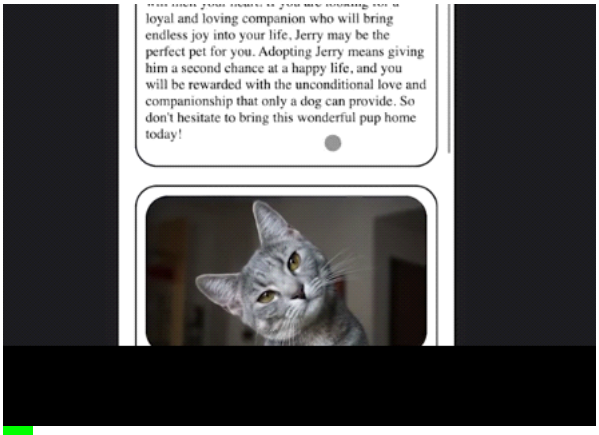
===



==

###importaint
From inspect we see:

When width: 375 px;
Then . Two card come one after another



==
Change:
We havve to right:

```
}


#pets {
    display: flex;
    justify-content: space-evenly;
}


@media (max-width:375px){      /*  375 px for iphone ES */
    #pet {
        flex-wrap:wrap;
    }
}

/* wrap: if we have more element then it take
into next line. */

```

Right

==========
==========

Class : 15 pdf

Download Starter HTML

Compulsory & Important

Please use this Github link to download the starting HTML file(s) that you will need to write code in this section.
Please download files before watching the lecture.

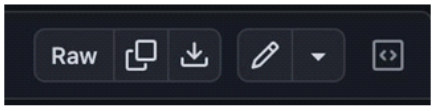
For pet Adoption Activity of CSS Part 6, there are few files you need to download.

Prerequisites - If you don't have a Github account, Please sign up on https://github.com/ using any email address. And keep the account logged in.

Please download all the HTML files in this folder :
https://github.com/apna-college/Delta/tree/main/CSS/Chapter6%20(Pet%20Adoption)/Pet%20Adoption

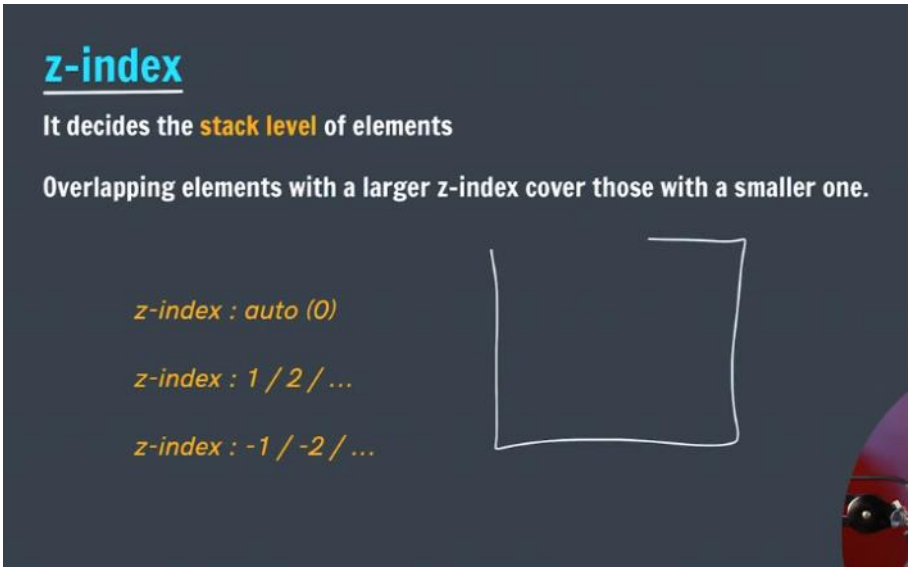
To download each file (as mentioned in the chapter) :

- Click on file name
- On the right hand side click on the download raw file button.



===

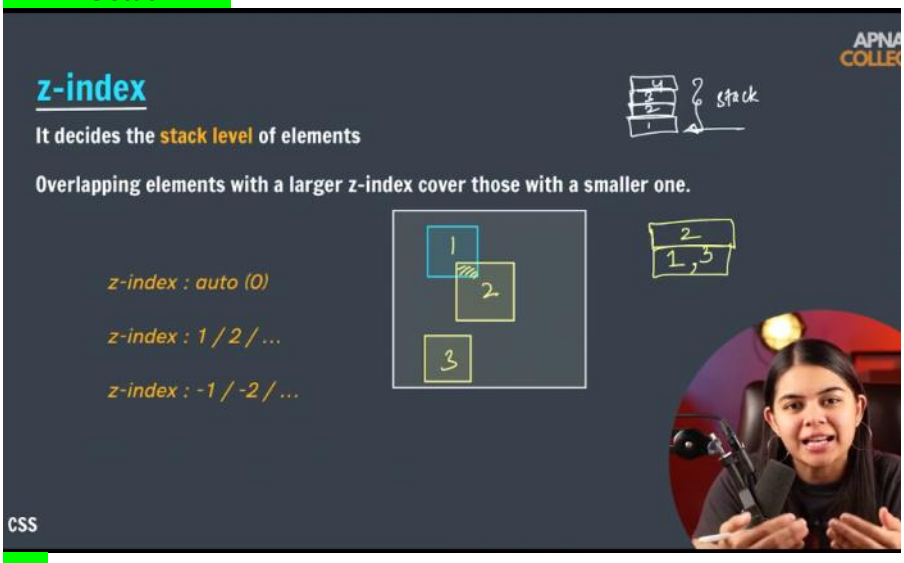
Class : 16



When element are overlap one another.
Like one book is put upon another book.

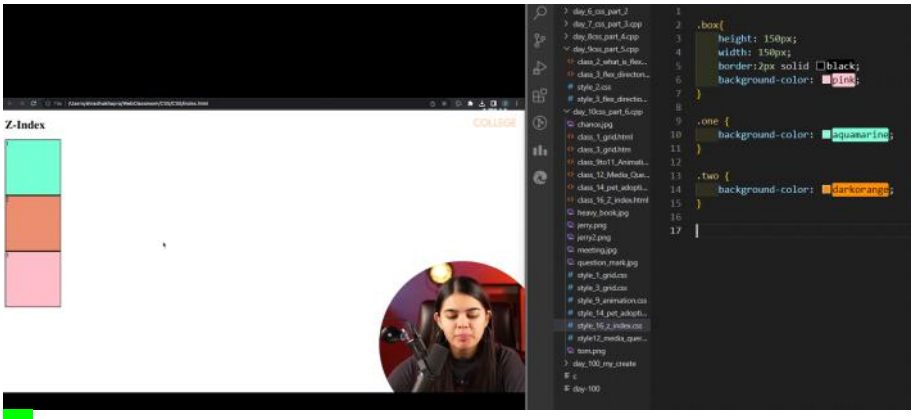
Here, 1 , 3 book 2 are same lavel.
Book 2 are 2nd level .

****like stack****



===

```
# style_14_pet_adoption.css   class_16_Z_index.html   # style_16_z_index.css
_10css_part_6.cpp > class_16_Z_index.html > html > body > div.box.three
1
2   <!DOCTYPE html>
3   <html lang="en">
4   <head>
5       <meta charset="UTF-8">
6       <meta name="viewport" content="width=device-width,
        initial-scale=1.0">
7       <title>Z-index </title>
8       <link rel="stylesheet" href="style_16_z_index.css">
9   </head>
10  <body>
11
12      <h1><u>Z-Index</u></h1>
13      <div class ="box one"> 1</div>
14       <div class ="box two"> 2</div>
15        <div class ="box three"> 3</div>
16
17  </body>
18  </html>
```

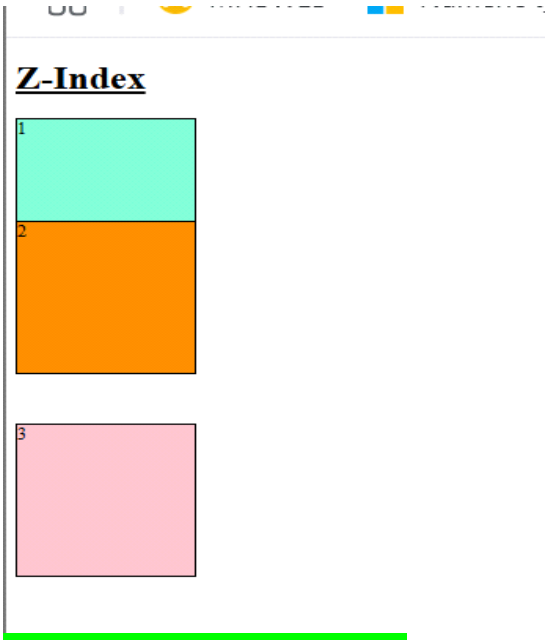


==

When add this:

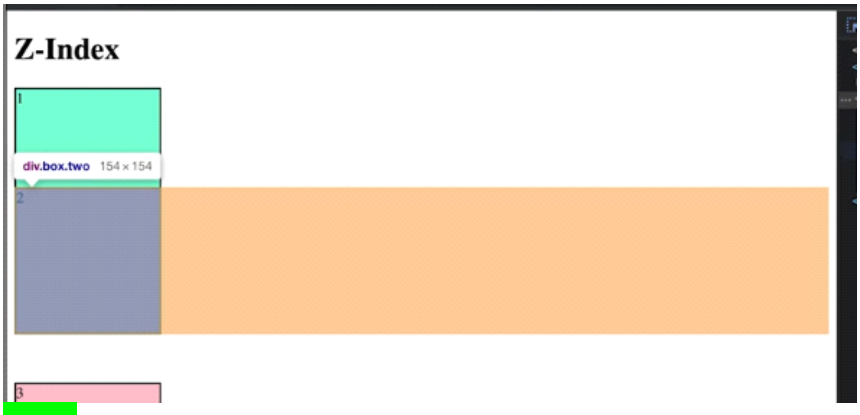
```
2
3   .two {
4       background-color: darkorange;
5
6       /* add below element */
7
8       position: relative;
9       bottom:50px;
0   }
1
```

o/p:



=== here overlap the orange box.

Here orange box upper side of stack
And green box down of the orange box.



=====

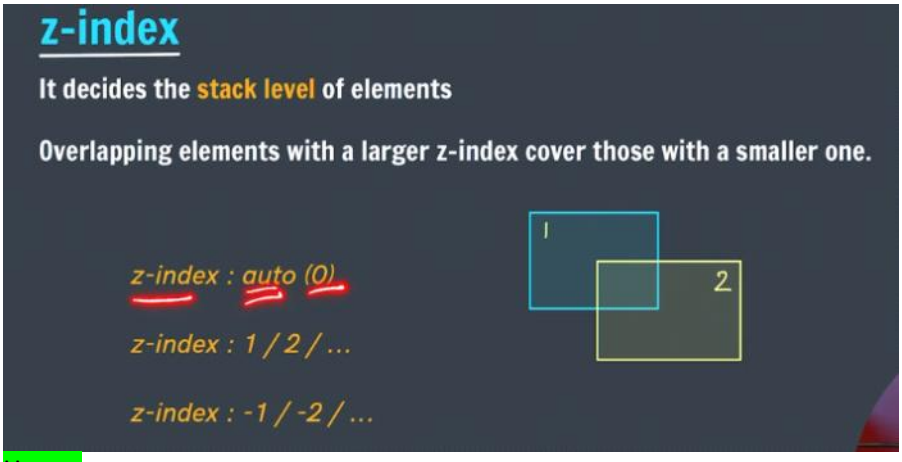
Why we use Z-index property?

Ans: when we want to show some element come to level 2 of stack
And some level come stack level 1 and
Some level come stack level 3 . Then we use Z-index property.

===

Question : if two element are overlap which element will be up or level2
Of stack ?

Answer: which Z-index => value is greater settting , this element
Will be upper side and overlap to the level 1.



Here,

Bydefault:

Every elemnt has z-index: auto(0);   so all are same level.

And

Question: for which element , we can set Z-index property ?

Ans:

If position is => static , default, then   can't set z-index property.

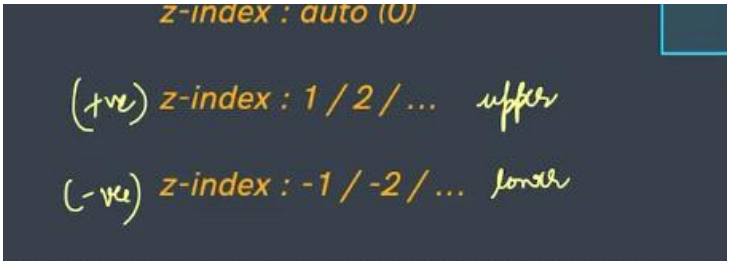
When ,
We give **********position : relative ; *****

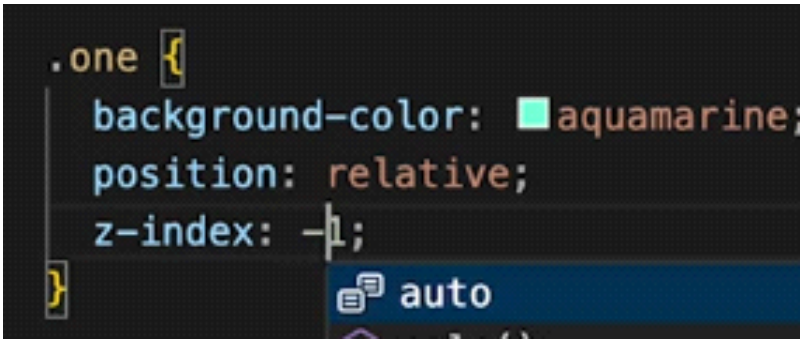
*****then can set z-index peoperty.

Note:******
 which element come upper level ?

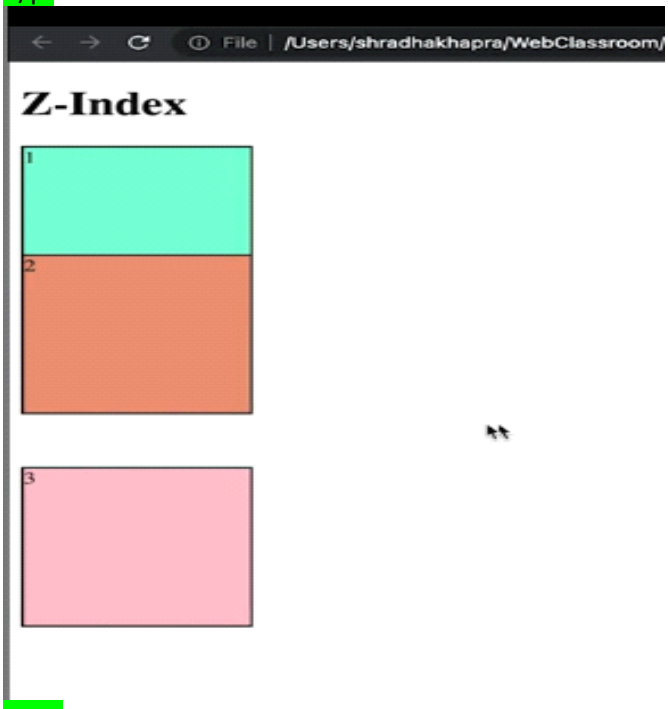
Answer: which elemnt z-index value is big.**********
=====

EXAMPLE:





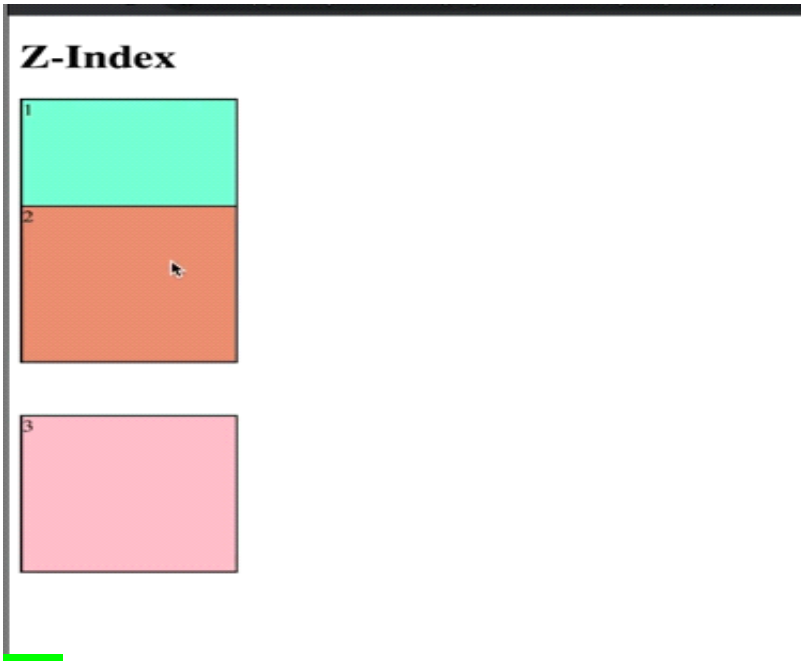
o/p:



====

```
.one {
  background-color: aquamarine;
  position: relative;
  z-index: 1;
}

.two {
  background-color: darksalmon;
  position: relative;
  bottom: 50px;
  z-index: 2;
}
```

o/P;



====

```
7
8   .one {
9     background-color: aquamarine;
10    position: relative;
11    z-index: 1;
12  }
13
14  .two {
15    background-color: darksalmon;
16    position: relative;
17    bottom: 50px;
18    z-index: 0;
19  }
```

======

Question : if set both z-index same value , what will be ?
Answer:

==========
==========

Pdf question

APNA COLLEGE

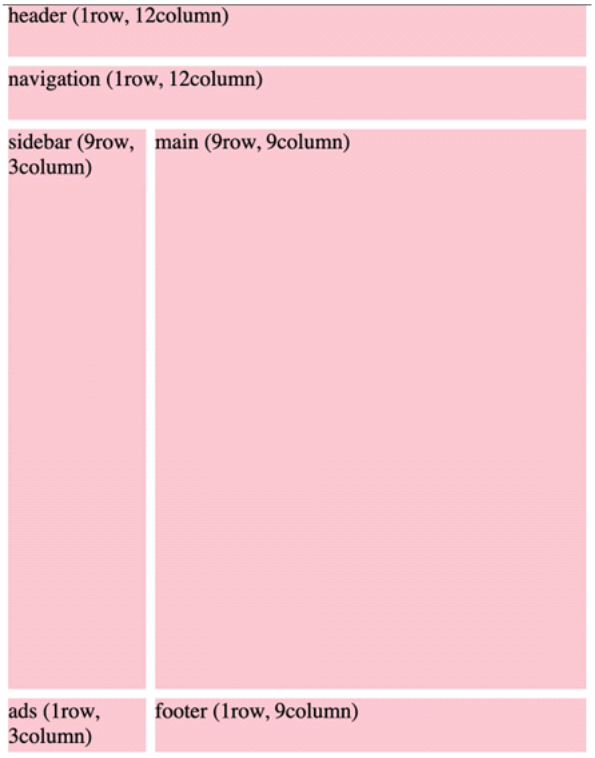
CSS (Part 6)

Practice Questions

Qs1. Create the following layout using CSS Grid :

- Divide the grid into 12 rows & 12 columns.
- Give a gap of 10px between each row and column
- Set the sizing of individual boxes as shown in the image

Qs2. Use Media Queries to change the above layout the given one when the viewport width goes below 720px.



```html
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width,
initial-scale=1.0" />
<title>CSS</title>
<link rel="stylesheet" href="style.css" />
</head>
<body>
<h1>Loader</h1>
<div class="loader"></div>
</body>
</html>
```

APNA COLLEGE

Qs3. Try to complete this code to create a web page loader using CSS animations.

Loader

HTML Code :

```
.loader {
border: 16px solid #f3f3f3;
border-top: 16px solid goldenrod;
border-radius: 50%;
width: 120px;
height: 120px;
animation: spin 2s linear infinite;
}

@keyframes spin {
0% {
/* Set rotation to 0 degrees */
}
100% {
/* Set rotation to 360 degrees */
}
}
```

CSS Code :

======

CSS (Part 1)

Practice Solutions

Ans 1

HTML Code

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="UTF-8" />
<meta name="viewport" content="width=device-width,
initial-scale=1.0" />
<title>CSS</title>
<link rel="stylesheet" href="style.css" />
</head>
<body>
<div class="container">
<div class="header">header</div>
<div class="navigation">navigation</div>
<div class="sidebar">sidebar</div>
<div class="main">main</div>
<div class="ads">ads </div>
<div class="footer">footer </div>
</div>
</body>
```

```
</html>
```

CSSCode

```
.container {
margin: 0;
padding: 0;
height: 100vh;
display: grid;
grid-template-columns: repeat(12, 1fr);
grid-template-rows: repeat(12, 1fr);
grid-gap: 10px;
}

.container div {
background-color: pink;
font-size: 1.5rem;
}

.header {
grid-column: 1 / span 12;
}

.sidebar {
grid-column: 1 / span 3;
grid-row: 2 / span 10;
```

```
}

.navigation {
grid-column: 4 / span 6;
}

.ads {
grid-column: 10 / span 3;
grid-row: 2 / span 10;
}

.main {
grid-column: 4 / span 6;
grid-row: 3 / span 9;
}

.footer {
grid-column: 1 / span 12;
}
```

Ans 2

```
@media (max-width: 720px) {
.header {
grid-column: 1 / span 12;
}
```

HTML Code will remain the same as answer 1.

CSS Code

```
.navigation {
grid-column: 1 / span 12;
grid-row: 2;
}

.sidebar {
grid-column: 1 / span 3;
grid-row: 3 / span 9;
}

.main {
grid-column: 4 / span 9;
grid-row: 3 / span 9;
}

.ads {
grid-column: 1 / span 3;
grid-row: 12;
}

.footer {
```



```
grid-column: 4 / span 9;
grid-row: 12;
}
}
```

==========

==========

Ans 3

Complete CSS:

```css
.loader {
border: 16px solid #f3f3f3;
border-top: 16px solid goldenrod;
border-radius: 50%;
width: 120px;
height: 120px;
animation: spin 2s linear infinite;
}

@keyframes spin {
0% {
transform: rotate(0deg);
}
100% {
transform: rotate(360deg);
}
}
```

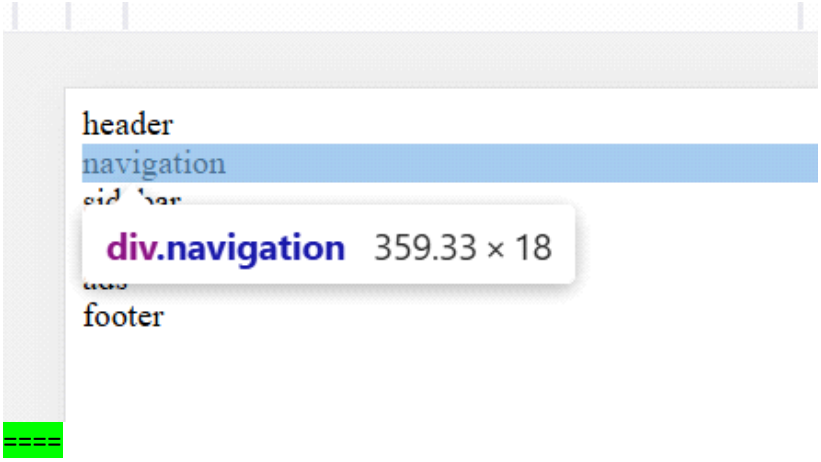
==========

Solve the practice question pdf 17 and 18

Answer : 1

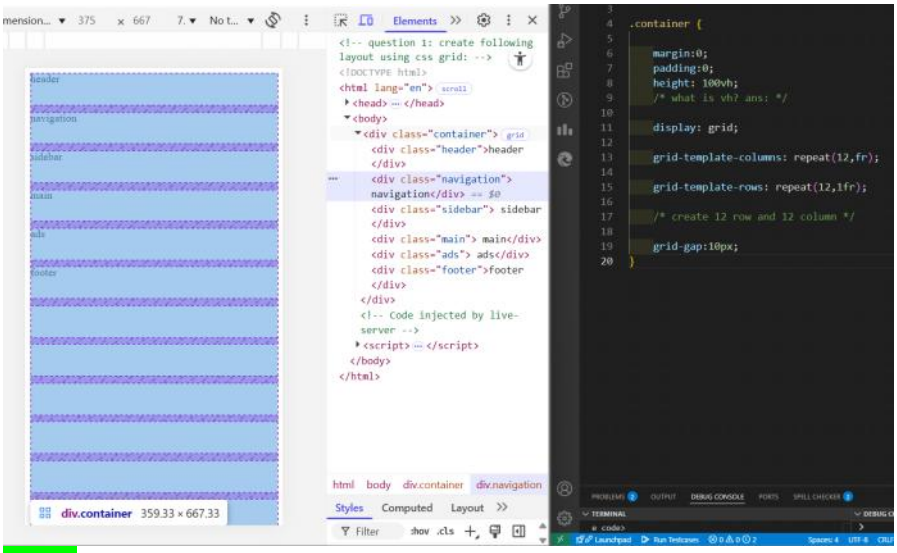
```
<!-- question 1: create following layout using css grid: -->

<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
    initial-scale=1.0">
    <title>css: grid learing</title>

    <link rel="stylesheet" href="style_17_18_question_solve.
    css">
</head>
<body>

    <div class="container">

    <div class="header">header</div>
    <div class="navigation"> navigation</div>
    <div class="sidebar"> sidebar</div>

    <div class="main"> main</div>
    <div class="ads"> ads</div>

    <div class="footer">footer</div>


    </div>/.container
</body>
</html>
```

o/p:



====

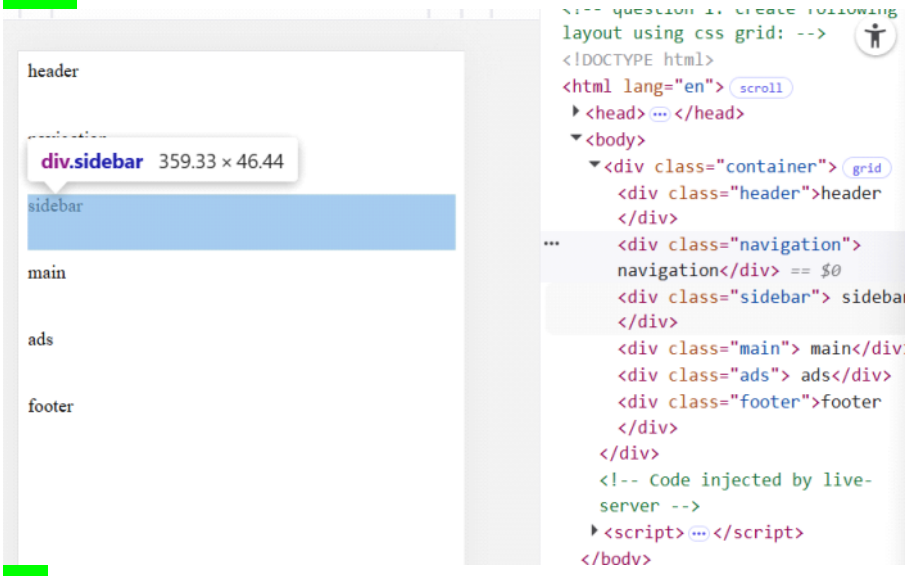
When create jjsut container


header
navigation
sidebar
main
ads
footer
div.container 359.33 × 667.33
<!-- question 1: create following layout using css grid: -->
<!DOCTYPE html>
<html lang="en">
<head> … </head>
<body>

header
navigation == $0
 sidebar
 main
 ads
footer

<!-- Code injected by live-server -->
<script> … </script>
</body>
</html>
.container {
margin:0;
padding:0;
height: 100vh;
/* what is vh? ans: */
display: grid;
grid-template-columns: repeat(12,fr);
grid-template-rows: repeat(12,1fr);
/* create 12 row and 12 column */
grid-gap:10px;
}
Styles
Computed
Layout

=====


header
div.sidebar 359.33 × 46.44
sidebar
main
ads
footer
layout using css grid: -->
<!DOCTYPE html>
<html lang="en">
<head> … </head>
<body>

header
navigation == $0
 sidebar
 main
 ads
footer

<!-- Code injected by live-server -->
<script> … </script>
</body>

===

Body


header
navigation
sidebar
main
ads
footer
layout using css grid: -->
<!DOCTYPE html>
<html lang="en">
<head> … </head>
<body>

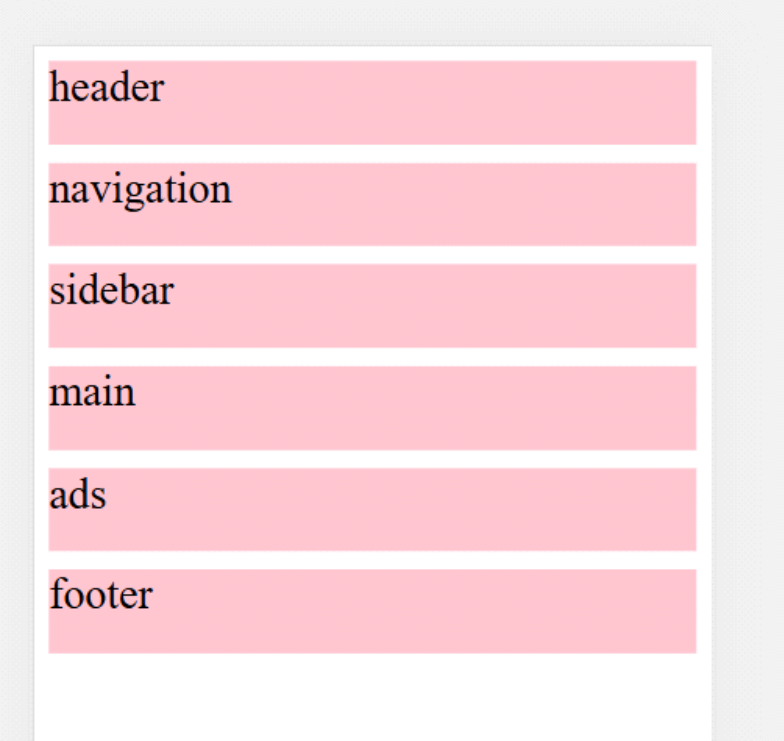
head
navigation == $0
 si
 main
 ads
foot

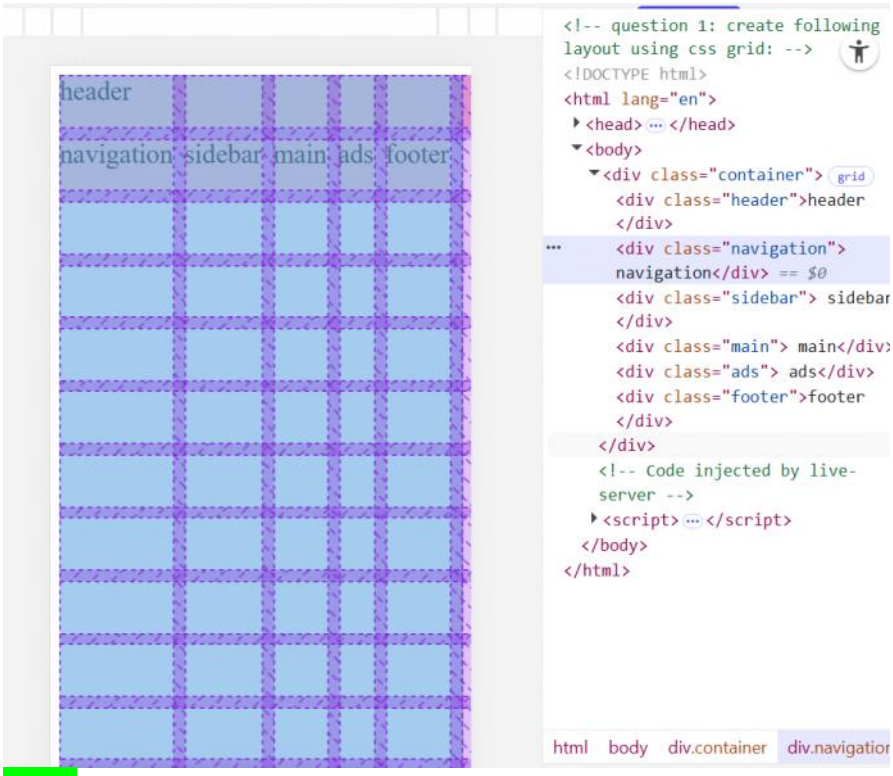
<!-- Code injected by live-server -->
<script> … </script>
</body>
</html>

====

When add:

```
21
22  .container div {
23
24      background-color: pink;
25      font-size: 1.5rem;
26  }
```



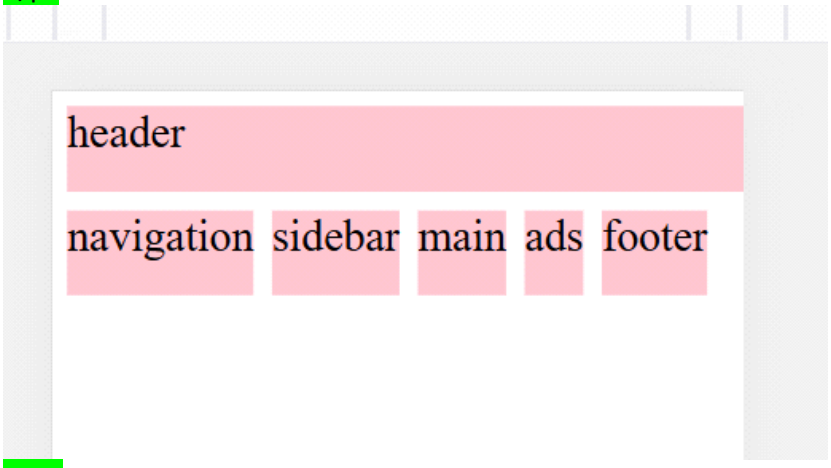


=====

When add

```
.header {
    grid-column: 1 /span 12;
}
```

o/pL

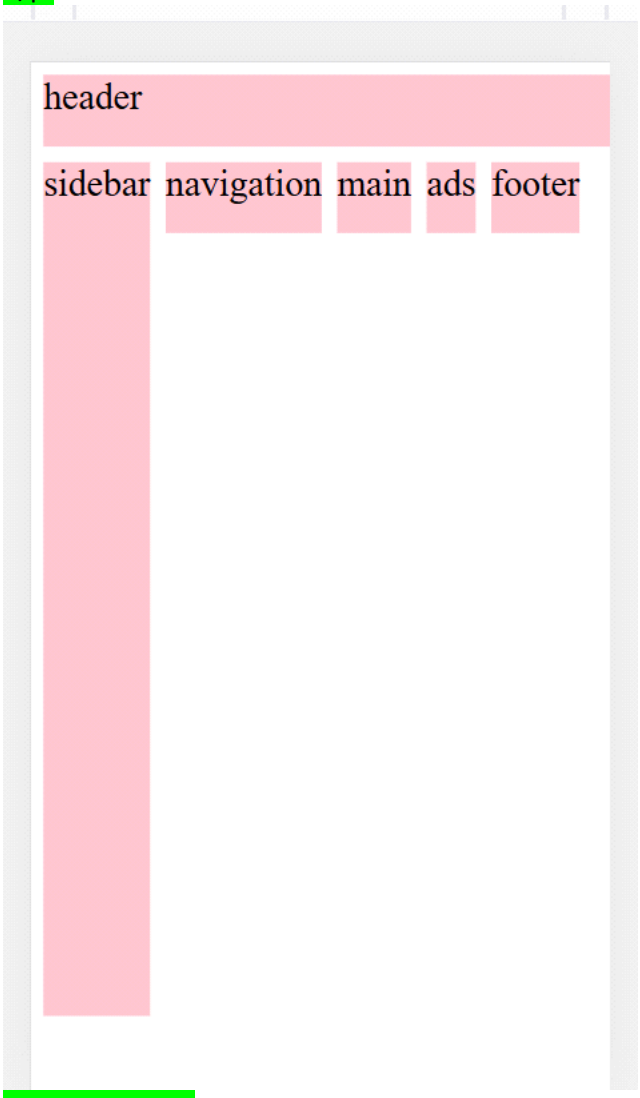


====

When add"

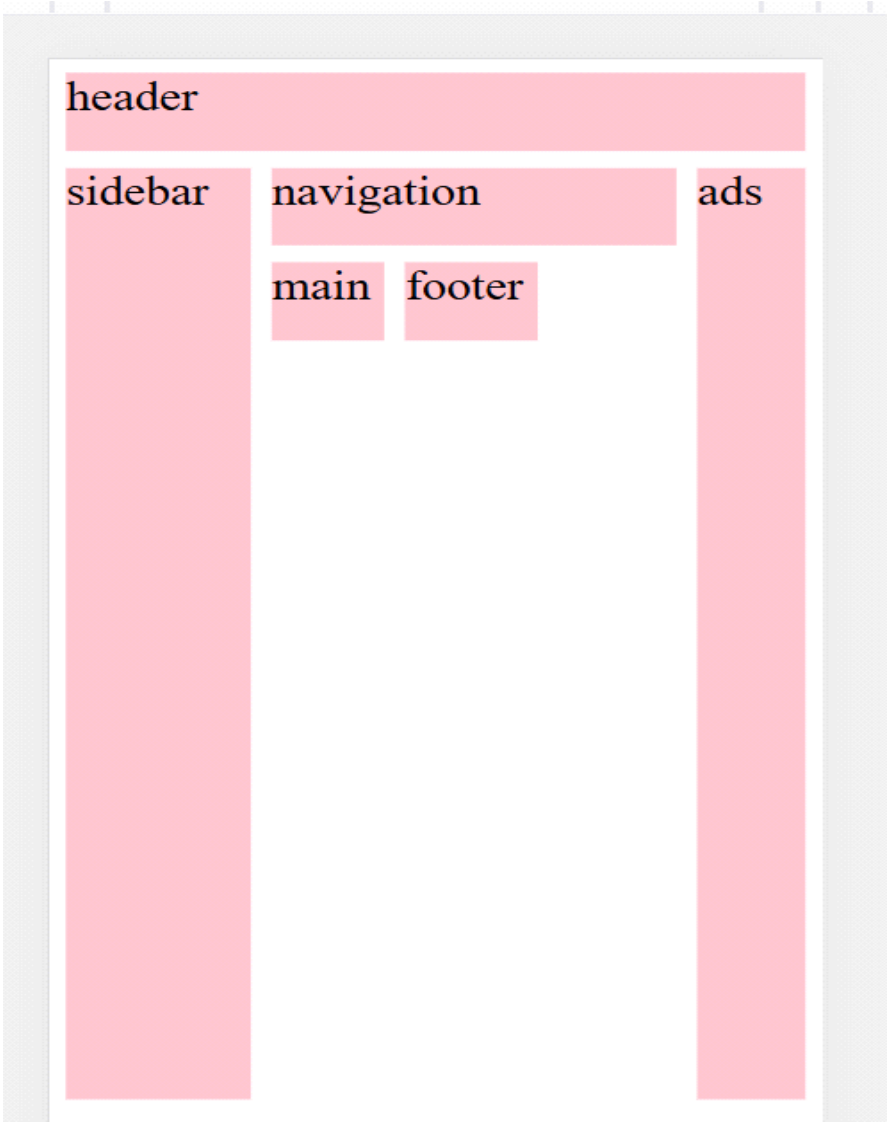
```
33
34  .sidebar {
35      grid-column: 1 /span 3;
36      grid-row:2 /span 10;
37  }
```

o/p:



==========

```
43
44  .ads {
45      grid-column: 10 /span 3;
46      grid-row: 2/span 10;
47  }
```

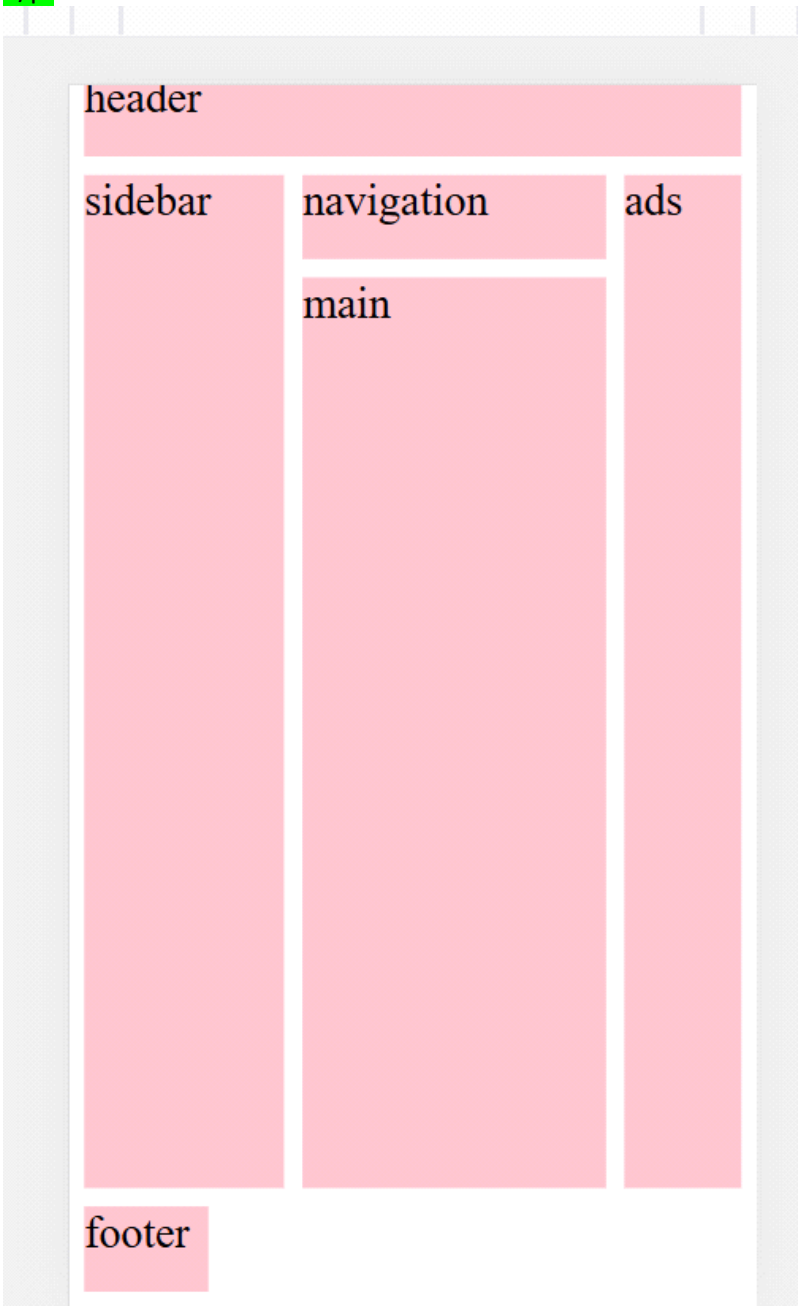


====

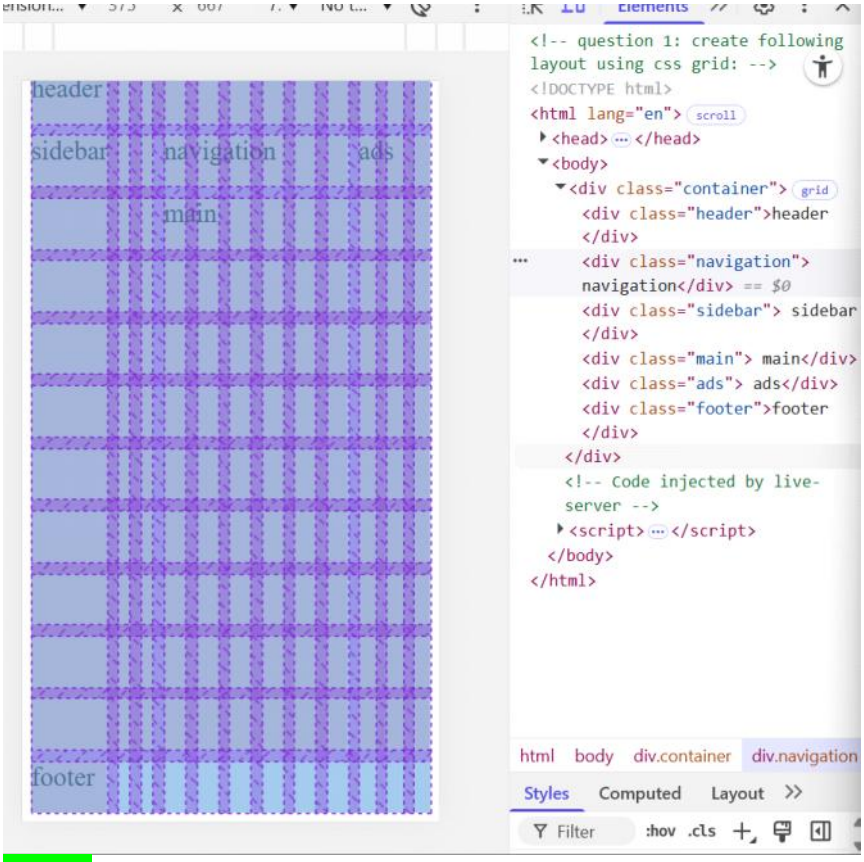
When add main:

```
8
9   .main {
0       grid-column: 4 /span 6;
1       grid-row: 3 / span 9;
2   }
```

o/p:



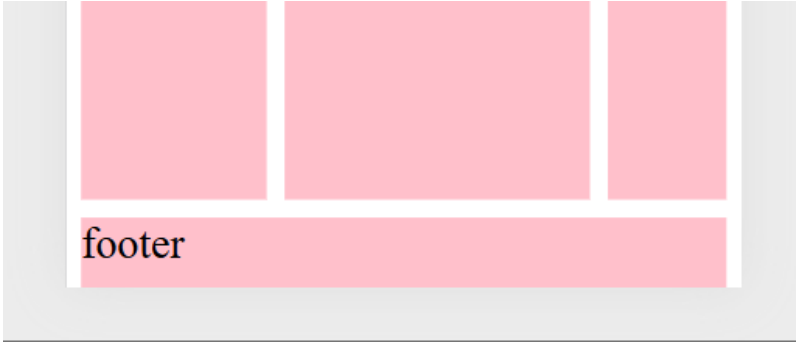
====



======

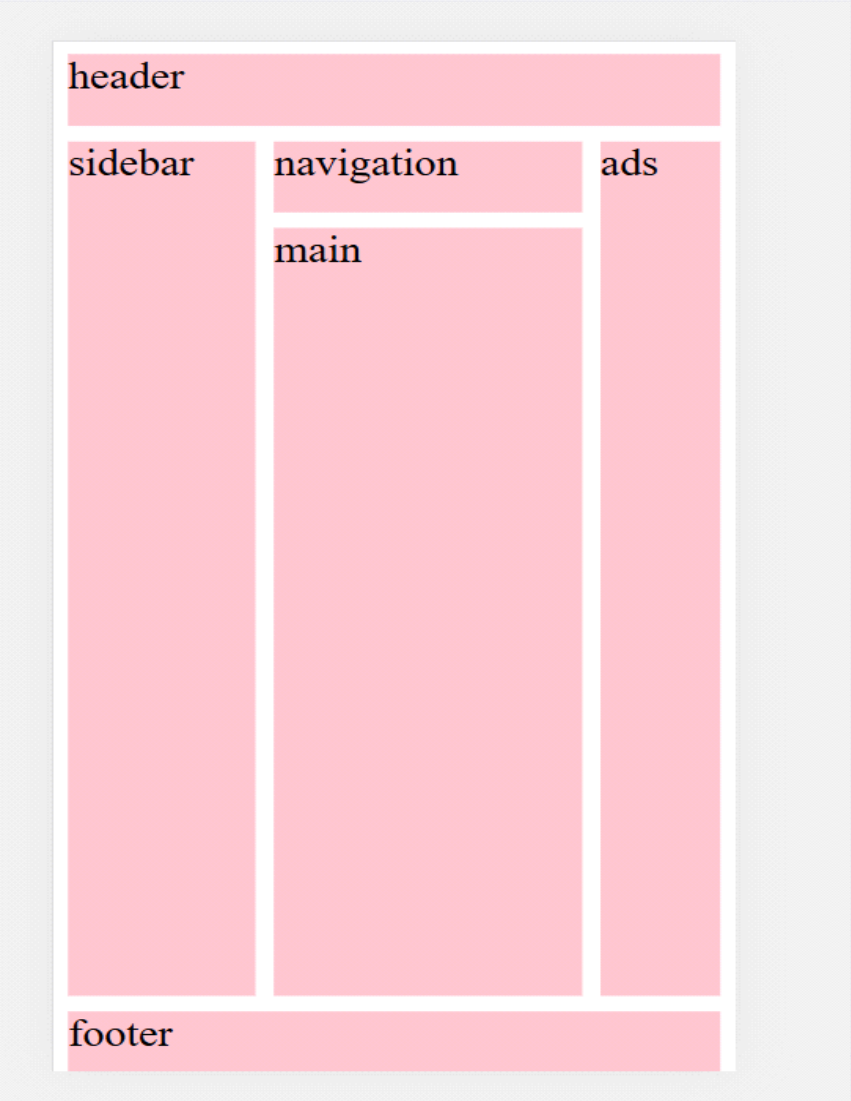
```
54  .footer {
55      grid-column:1 /span 12;
56  }
```

o/P;
footer take full 12 column width .



====

Final answer:



======

Question 2 answer:

==========

Question: 3

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
    initial-scale=1.0">
    <title>create a loader</title>
    <link rel="stylesheet" href="style_18_ans_3.css">
</head>
<body>

    <h1> Loader </h1>

    <div class="loader"> </div>
</body>
</html>
```

```css
.loader {
    border: 16px solid #f3f3f3;
    /* create border around the loader div  */

    border-top: 16px solid goldenrod;
    /* explain:  */

    border-radius: 50%;
    width: 120px;
    height: 120px;
}
```

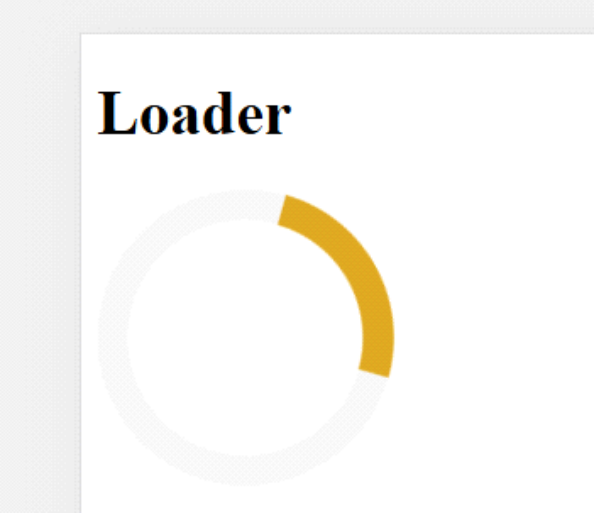
o/p:

===

```css

.loader {
    border: 16px solid #f3f3f3;
    /* create border around the loader div

    border-top: 16px solid goldenrod;
    /* explain:  */

    border-radius: 50%;
    width: 120px;
    height: 120px;
    animation: spin 2s linear infinite;
}




@keyframes spin {
    0% {

        /* SET rotation to 0 degree */
        transform: rotate (0 deg);
    }

    100% {
        /* set rotation to 360 degree */

        transform: rotate(360deg);
    }
}

```

When right this :

It will spin contiunously



Loader

======

=====

Whant is this ?
Answer:

==========
==========

FINISH THIS DAY-10 CSS PART-6
MOST IMPORTANT COMPLICATED DAY .

====