

B Section

15/1

11 am

Back to Basics

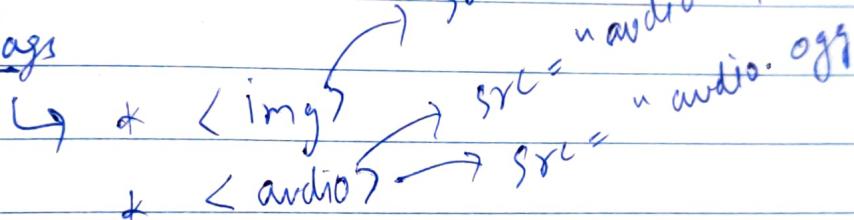
HTML

12 noon

1pm ~~HTML~~ is the

① Media Tags

2pm



3pm

MPEG → moving Picture expert group.

4pm

↳ audio video file format

5pm

↳ used for compressing
& encoding video audio files

6pm

• Ogg

↳ ogg file format

↳ used to multiplex
various multimedia

such as

audio / video /

for
text

↳ m4a type

09

(WK - 02) 009-357

<video controls>
↓
play / pause features

January • Thursday

video.mp4

<video>

M	6	13	20	27
T	7	14	21	28
W	1	8	15	22
T	2	9	16	23
F	3	10	17	24
S	4	11	18	25
S	5	12	19	26

9 am It supports various video formats MP4, WebM, Ogg.

10 am <video controls>

<source src="video.mp4" type="video/mp4">

11 am </video>

12 noon Source tag is used as the child of video element to define the audio or video file & its type.

1 pm the source file & its

2 pm <track>

~~Speaker~~

3 pm <video controls>

<source src="video.mp4" type="video/mp4">

4 pm <track src="captions.vtt" kind="Captions" srclang="en" label="English">

5 pm </video>

6 pm track is used to specify timed text tracks for audio elements.

FRONTEND

3	10	17	24
4	11	18	25
5	12	19	26
6	13	20	27
7	14	21	28
8	15	22	29
9	16	23	
10			

HTML

STRUCTURE

BASIC

10:24 AM

07/11

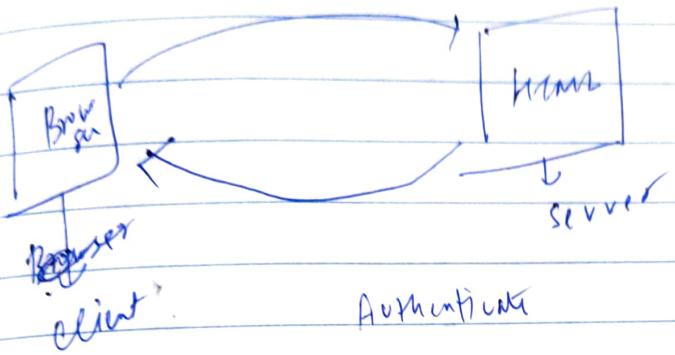
(WK - 02) 010-356

10

Friday • January

WWW → collection of documents

client server Architecture



2pm
DNS

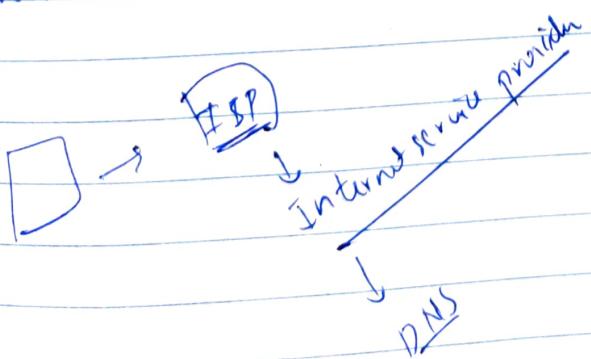
↳ Domain Name System

4pm IP address → IPv4 → 32 bit

192. - . - . -

To remember IP add. is difficult so we contact DNS.

5pm



① Enter URL

2020

11

(WK - 02) 011-355

January • Saturday

→ forward slash

'20	M	6	13	20
J	T	7	14	21
A	W	1	8	15
N	T	2	9	16
	F	3	10	17
	S	4	11	18
	S	5	12	19
				25

① ISP → DNS

② ISP returns address to the browser

③ browser contacts & connects with server

10 am meta data is some information about the page
↓
title of the page

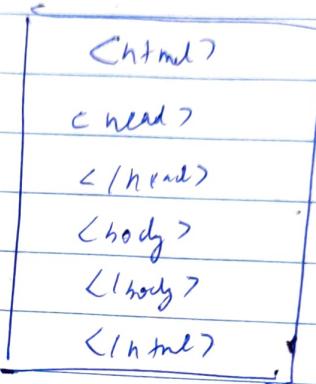
11 am ext → google

12 noon

<!DOCTYPE html>

1pm ↓
html5

2pm



3 pm tag can also be written like this → <-person>

4 pm extension HTML5 file → & htm
& html5 pm (title) → Immediately inside the head tag
(b2)

6 pm ↴ break tag

 paragraph tag

12 sunday

no break is needed b/w 2 paragraph tags. it already make space

&nbsp; → no break space

2020 ↓ if we want to use more than one space in p tag then we need two &nbsp;

W	6	13	20	27
T	7	14	21	28
F	8	15	22	29
E	9	16	23	
B	S			

(WK - 03) 013-353

13

Monday • January

We can use both

garn

ul

10 am



11 am

unordered

ordered

to create bulleted lists

12 noon

 Frontend Focus

 Backend Focus

disc → IT → default

1pm

- Frontend Focus
- Backend Focus

2pm

If we want circle like + 0

3pm

type = "circle"

→ Roman

"a" →

Smallest char count

4pm

<ol type="i">

"1" →

number count

5pm

type =

↓
or tag can create numbered lists

ol → if nothing loads
then it shows

↓
attribute

2020

14

NWK - 03/014-352

January • Tuesday

M	6	13	20
T	7	14	21
W	1	8	15
T	2	9	16
F	3	10	17
S	4	11	18
S	5	12	19

9 am

☞ `<a>`
 ↳ `hyperlink should be used`
 ↳ `using anchor tag` → `it is used to create the hyperlink`
 ↳ `x hyperlink`

10 am

`target = "blank"`
 ↳ `for new page`

11 am Default color of active link in browser is Red

12 noon Relative URLs

↳ link other pages within
 same site

1 pm Internal Links

↳ id

2 pm

- `<!DOCTYPE HTML>`

3 pm

↳ tell the browser that the following
 displayed is HTML page

4 pm

- `<html> </html>`

↳ start of the html document

- `<head> </head>`

↳ provide information about the document

5 pm

- `<title> </title>`

↳ provides titles for the document

6 pm

- `<body> </body>`

↳ things visible in web page

HTML elements that is deprecated

2020

`<marquee>`

`<menuitem>`

& many more



`<acronym>`

``

`<big>`

`<frame>`

`<center>`

`<frameset>`

`<dir>`

`<image>`

3 10 17 24
4 11 18 25
5 12 19 26
6 13 20 27
7 14 21 28
8 15 22 29
9 16 23

ADVANCED

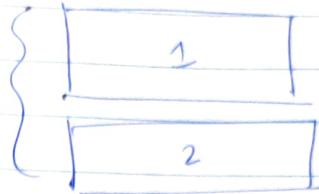
<div>

→ define content to be
block level.

Container
elements
group multiple
elements together

<div>

</div>



15

(Wk - 03) 015-351

Wednesday • January

10am

11am

12 noon <nav>

<nav>

Semantic

Semantics

1pm <header>

<header>

tags

2pm <main>

<main>

3pm <footer>

<footer>

4pm <section>

<section>

5pm <article>

Don't start in
new line

<aside>

work as a sidebar

* → Back to top

6pm Block Inline Elements

↓
Start in new line

inline-block

<h2>

<h3>

<div>

Sample *<i> italic </i>*

italic

Both same but strong is
used when there is something
important to do -

2020

16

(WK - 03) 016-350

ARIA *

January • Thursday

M	6	13	20	27
T	7	14	21	28
W	1	8	15	22
J	2	9	16	23
A	3	10	17	24
S	4	11	18	25
N	5	12	19	26

<body>

a <sub>2</sub> <sub>2</sub>

a<sub>2</sub>

9 am </body>

<body>

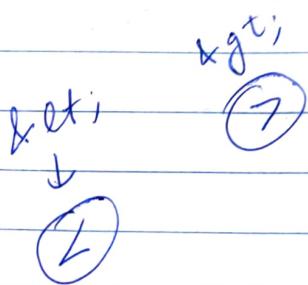
a <sub>2</sub> <sub>2</sub> a<sub>2</sub>

11 am </body>

<div> Quoted </div> "Quoted"

1 pm

Span is inline tag



2 pm

&nbsp;

3 pm

&apos;

for table

<table>

<tr>

<td>

<td>

td we can

<caption>

↓ Table Heading

<tr>

<td>

Instead of using
also use <th>

the table.

</caption>

<table border="2">

thickness of

colspan = 2

two columns

2020

rowspan = 2 If both two rows

5 13 20 25
8 14 21 26
15 22 27
3 16 23 28
0 17 24 29
1 28 25
2 29 26
9 16 23

forms in html is used
to collect the user's
input.

17

Date - 03/01/2023

Friday • January

`<label for = "username"> username </label>`
`<input type = "text" id = "username">`

default
attribute
is text

disabled

CSS

10:58

12/07/2023

class name
every selected
with same name > class-name

link href = "style.css"
rule + styleset /

{ what type of object it is
one rule

#. class + id
we select by id
from class + id

div {
color: blue
}

Inheritance

↳ Parent property to children

like `<div>`
`<p> </p>`
`</div>`

if we want color ~~to be~~ not to be blue then we need to use →

`b {
color: initial
}`

2020

18

WK - 03) 018-348

January • Saturday

font-style: italic

M	T	W	T	F	S	S
6	13	20	7	14	21	28
8	15	22	9	16	23	30
10	17	24	11	18	25	1
11	18	25	12	19	26	5

'20
JAN

9 am

text-decoration-line: line-through;

↳ it is seems like this

→ 5. Katy Perry

10 am

~~RGB~~ RGB

11 am

Red green Blue(0, 0, 0) → (255, 255, 255)
hex (010101) → (FF FF FF)

12 noon

rgba(255, 0, 0) → Red

rgba(255, 255, 0) → green

1 pm

rgba(255, 255, 255) → white

2 pm

#rrggbb

0 1 2 3 4 5 6 7 8 9 A B C D E F 10 --- FF

Hexadecimal

3 pm

FF = 255 in Hexadecimal.

rgba(100, 255, 100, 0)

4 pm

↳ This can decorate the color of styling
of the background if given.

5 pm

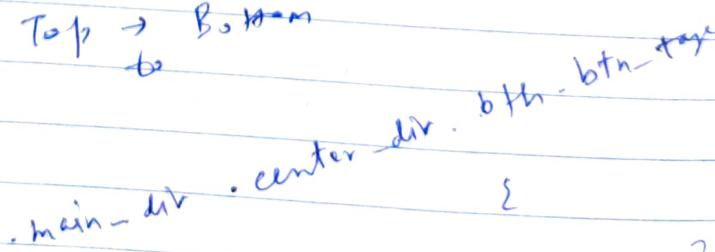
hsla(0, 100%, 50%)

6 pm

Specificity

CSS reads Top → Bottom

19 Sunday

Specificity

0. 0. 0. 0. 0

+

0. 0. 0. 0. 1

2020. 0. 0. 1. 0

a 2

3

element or pseudo-element

class, pseudo class or data attribute

M
T
W
T
F
F
S
S
B

3	10	17	24
4	11	18	25
5	12	19	26
6	13	20	27
7	14	21	28
1	8	15	22
2	9	16	23

0. 0. 1. 0. 0

ID

Lazia^{a7}

0. 1. 0. 0. 0

Inline style

(WK - 04) 020-346

1. 0. 0. 0. 0

! Important

20

Monday • January

9:00 AM

ID

class

element

In focus; when the task is done or performed
Xxx suddenly give
Xxx color

submit: focus

background-color: blue;

to

will second

email: display

to display the xxx

body

name: required

bg-color: blue the whole page get
value & no other page get

span: first-child {

suppose there is 5 spans
the you need only first one so to
in color.

span: first-of-type {

color: red

Ex:

<div> <div> </div>

 1

 2

<div> </div>

it changes the
color to red
for the first
of span

span: nth-child(3) {

color: red;

for even

span: nth-child(2n) {

color: red

2020

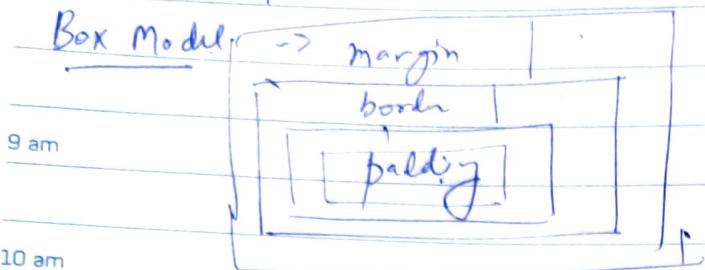
VIVEK

21

(WK - 04) 021-345

January • Tuesday

Box Model



width 100
height 100
padding 10
margin 50
bottom 20

M	T	W	T	F	S	S
6	13	20	27	34		
7	14	21	28	35		
1	8	15	22	29		
2	9	16	23	30		
3	10	17	24	31		
4	11	18	25			
5	12	19	26			

Box-sizing : border-box

↓
it allows us to include the padding & border in an element's total width & height.

1pm ~~border-width~~ : 10px 5px ↑
Top / bottom

2pm ~~border-top-width~~ → set sizes that never changes the size of the screen.

3pm ~~border-bottom-width~~ → is always the entire size

4pm ~~border-left-width~~ → width: 50vw ↓
is based upon screen.

5pm ~~border-right-width~~ → vw is based upon screen, relative to its parent.

em → greater than the size of the screen

1em of the screen

1vw is the root of the page

100vw is 1m

2020

22

(WK - 04) 022-344

Wednesday • January

Parent

• `gum` { font-size: 1rem }

↓
100% of the root size.

Root font size.

is based
on the
root font size

+ { font-size: 30px }

10:00 AM
11:00 AM
12:00 PM
1:00 PM

2pm Pseudo classes → State Selector

+ focus → Happens when we click on something

3pm + first-child

+ first-of-type

4pm + nth-child(n)

→ number even
we use
odd ? even
+ 2n
2n+1

5pm

Box model

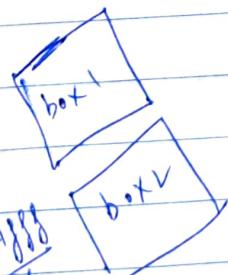
padding: 5px

margin: 10px

border: 2px solid #ff0000

box:

padding-top
border-width:
border-top-width



if we don't use border-box
↓

box-sizing

then it will cause our exact
width & height

2020

23

(WK - 04) 023-343

January • Thursday

Units

1% take space all to its parent.

VW

9 am

\downarrow
view width is based upon entire size of the screen
it doesn't matter where it is in the entire view, it always depend on X.

10 am

gum
8 em

11 am

Based on font edges.

* $\text{vh} \rightarrow$ is same as vw

12 noon in this their is height

Default 16px
6 grem = 32px.

* rem based on the root font size

Relative to
2 html 7

* em based on the font-size.

\downarrow
Relative to parent

2 pm

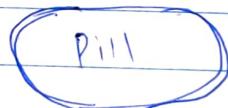
boxshadows : 0 0 5px 0 hsl(0, 0%, 80%)

3 pm

\downarrow
 $x\text{ offset}$ $y\text{ offset}$ \downarrow blur spread. \downarrow
 \downarrow color

4 pm

border-radius \rightarrow 10000px



5 pm

list-style : none

\downarrow remove

gives parent

• Document Flow

\downarrow
display: block \rightarrow container.
 \downarrow
 $\text{div} \rightarrow$ display: block

2020

inlin-block

M	6	13	20	27
T	7	14	21	28
W	1	8	15	22
T	2	9	16	23
F	3	10	17	24
S	4	11	18	25
S	5	12	19	26

M	3
T	4
W	5
T	6
F	7
S	1
S	2

24

Friday • January

(Wk - 04) 024-342

3 10 17 24
4 11 18 25
5 12 19 26
6 13 20 27
7 14 21 28
8 15 22 29
9 16 23
10 17 24
11 18 25
12 19 26
13 20 27
14 21 28
15 22 29
16 23
17 24
18 25
19 26
20 27
21 28
22 29
23 24
24 25
25 26
26 27
27 28
28 29
29 30
30 31

float → left
right

clear: left

→ I ignore everything in
the left side to over it.

clear: both

→ ignore both

→ in floated

11am

12 noon

the box

display: flex

1pm

2pm

3pm

4pm

5pm

6pm

7pm

8pm

9pm

10pm

11pm

12am

↓
we no longer
have collapsing
margins

main axis → left to right
cross axis → top to bottom

at the end of our main axis

justify-content: flex-end → at the begining

justify-content: flex-start → at the begining

space-around → puts equal amount of space
between all the content inside

align-items: stretch → stretch all the items
to the max height

flex-wrap: wrap; → to shrink-

flex-direction: column → Row

2020

25

(WK - 04) 025-341

January • Saturday

9 am

~~flex-grow: 1~~ → Take remainder space inside the container
 flex-grow: 1 → the element will meet at the center edge

10 am

~~flex-basis: 0~~ → for this flexbox align-self: flex-start
 flex-basis: 0 → align-height: 100px;

11 am

~~flex: 1 0 0~~ → basis
 grow shrink

12 noon

~~flex-shrink~~ → flex-grow
 grow shrink

1 pm

~~flex-grow~~

2 pm

~~order: 1~~ → It got the position of the first position

3 pm

~~display: inline-block~~ → To very similar to inline-block

4 pm

~~Model Project~~

6 pm

~~flex-grow: 1~~ → It doesn't implement on the elements inside container.
 It only on the container.

26 Sunday

~~list-style~~

~~flex-decoration~~

M	6	13	20	27
T	7	14	21	28
W	1	8	15	22
T	2	9	16	23
F	3	10	17	24
S	4	11	18	25
S	5	12	19	26

- grid
- ↳ grid allows us to create 2 dimensional layout.
 - ↳ grid works exactly the same as blocks
 - ↳ grid-template-columns: 100px 50px 2nd column
 - ↳ 1st column
 - grid-template-rows
 - grid-template: 50px 100px 100px 50px columns
 - grid-auto-rows
 - ↳ 150px
 - grid-auto-grow: column
 - ↳ very important
 - grid-template-areas
 - ↳ "header" "header" "content" "content"
 - ↳ if we use it
 - grid-area: header
 - grid-template-areas:
 - ↳ Header must be a content

28

(WK - 05) 028-338

January • Tuesday

grid-template-areas :

9 am

" header header header "
" sidebar content " "

10 am

• first 3

grid-area : header;

3

2 ;

three space covered
x class first

12 noon

grid-row : span

grid-template-columns : 1fr 2fr 1fr
we can create equal grids

2 pm

3 pm

4 pm

5 pm

6 pm

To stop the overflow
minmax (50px, auto).

row-gap

column-gap

2020

grid-column-start : 1
grid-column-end : 3

we can also write it as

grid-column : 1 3
start end

grid-row-start : 1
grid-row-end : 3.

grid-template-columns : repeat(4, 100px),
we can also write it as

also → 50px repeat(2, 50px) 100px

repeat(3, 100px)

↓ divided

It means div id into three & its size 1/3
100px.

M 3 10 17 24
 T 4 11 18 25
 W 5 12 19 26
 TH 6 13 20 27
 F 7 14 21 28
 S 8 15 22 29
 S 9 16 23

~~grid-column: span 2~~

~~grid-auto-flow: row dense~~

To this rule to cover the space without distortion
space like:-

(WK - 05) 029-337

29

Wednesday • January

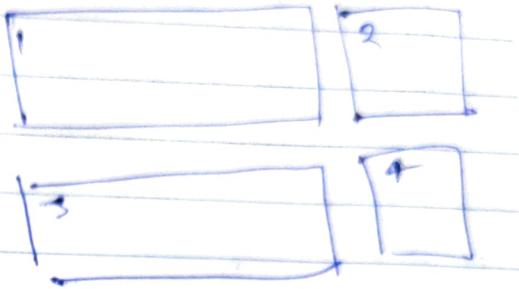
9am



10 am

dense Rule

to maintain
the 2 block
in its
direction.



11 am

12 noon

if we do it
use dense

the its 2 block
moves downward

& there is space
in 3rd 1st block

grid Home page design

Image gallery

1pm

2pm

3pm

4pm

5pm

6pm

position: relative
flows
→ relative
in place

→ relative
keeps the elements
inside the document

we can use

left: 10px

→ To move the container

top: 10px

→ used top + move the
document from the element

absolute
if it remove
the element 100%
the document flow

parent
→ if the parent is absolute
then the absolute will
only inside that container.

position: fixed
is not
depend on the
relative it is
independent.

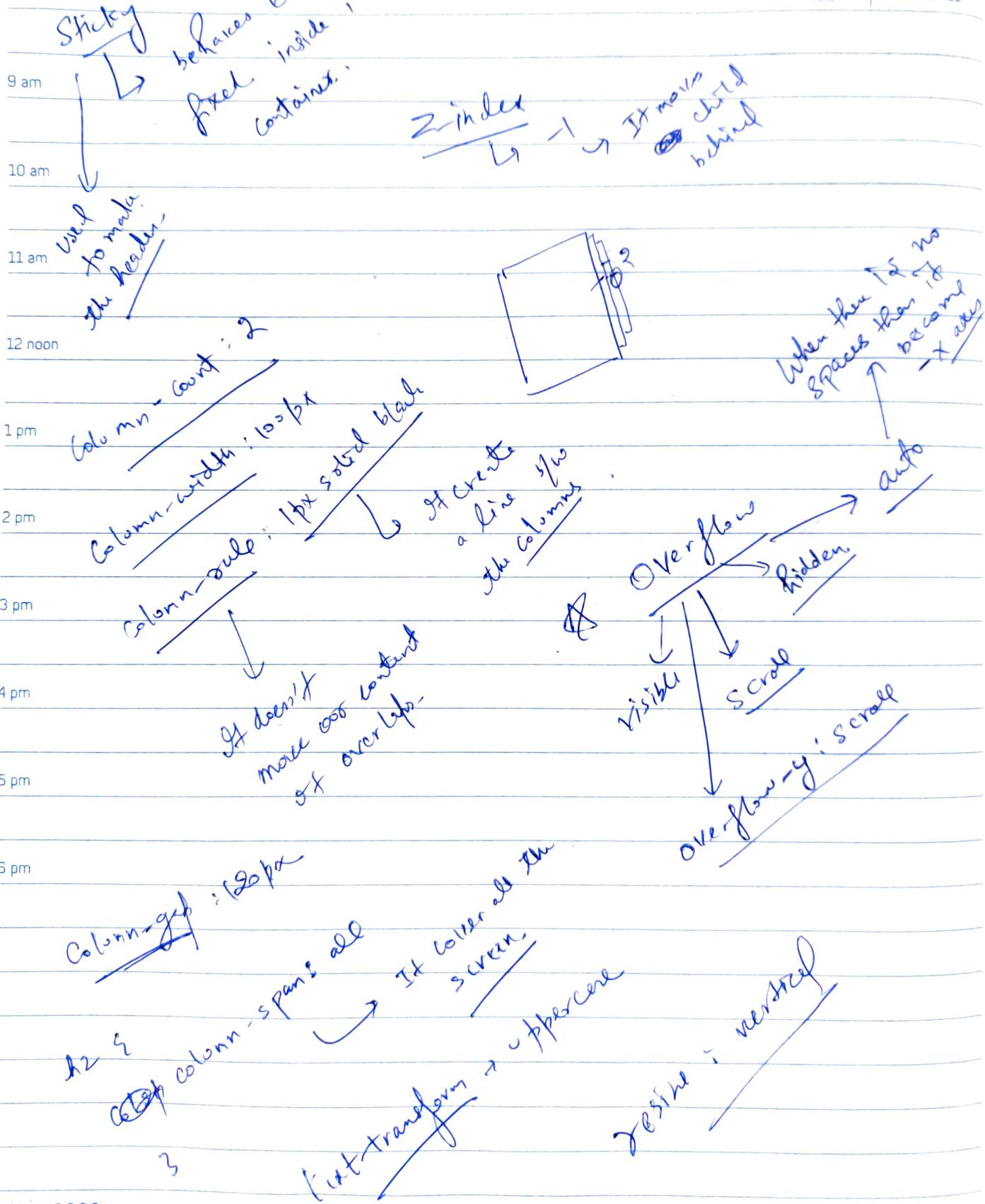
2020

30

(WK - 05) 030-336

January • Thursday

	M	6	13	20	27
'20	T	7	14	21	28
J	W	1	8	15	22
A	T	2	9	16	23
N	F	3	10	17	24
	S	4	11	18	25
	S	5	12	19	26

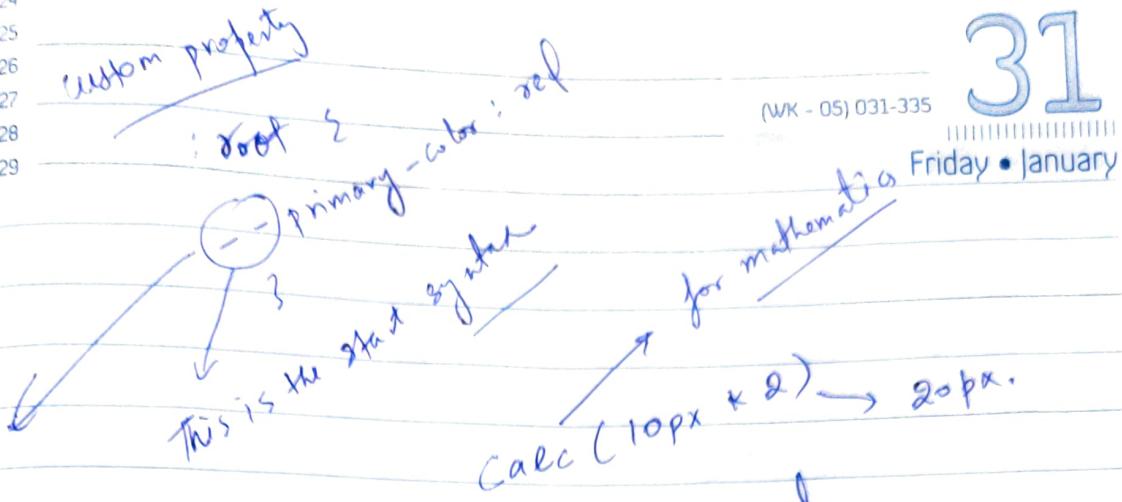


31

(Wk - 05) 031-335

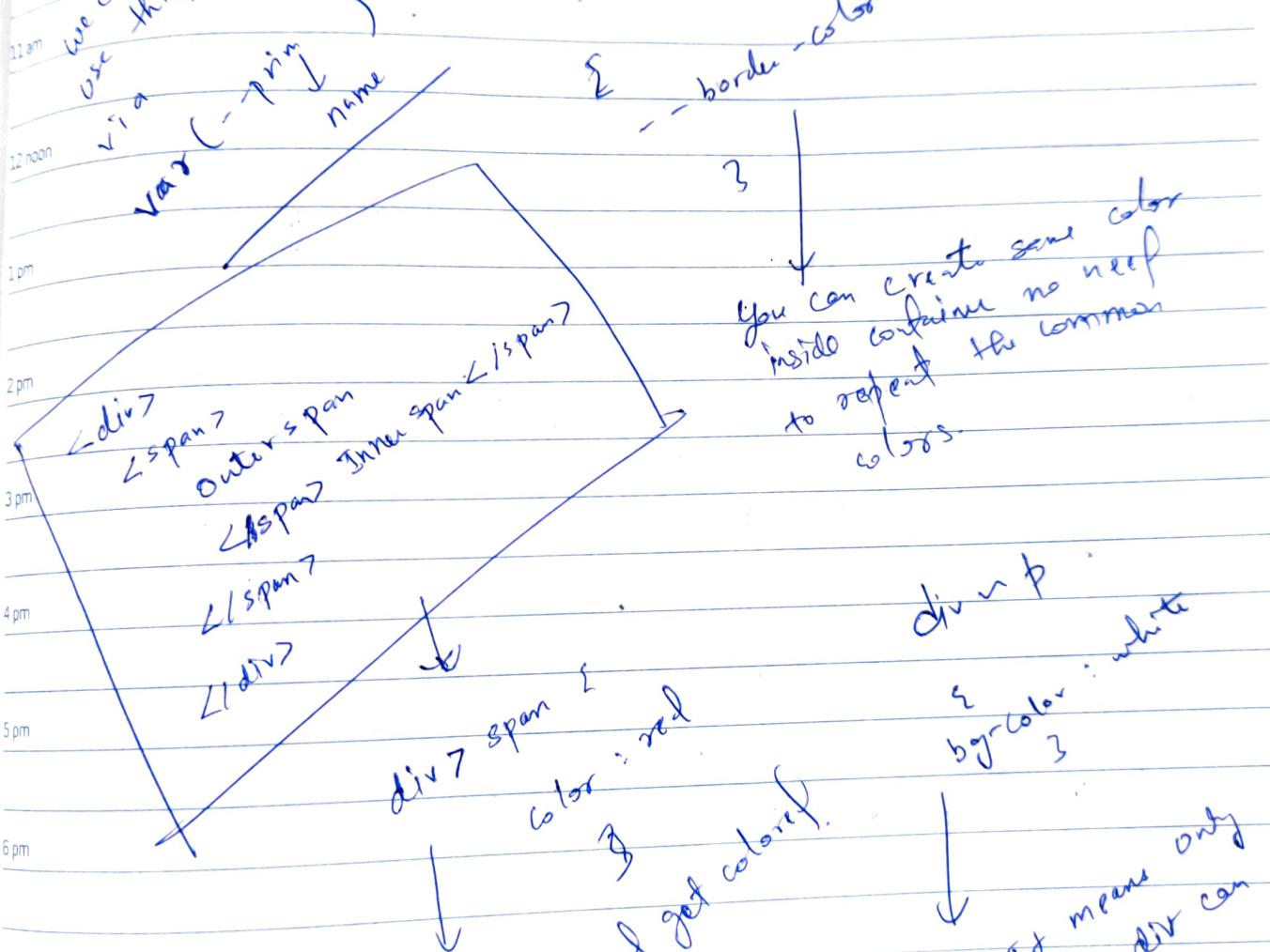
Friday • January

1	10	17	24
2	11	18	25
3	12	19	26
4	13	20	27
5	14	21	28
6	15	22	29
7	16	23	



we can
use this

var (-prim)



You can create some color
inside container no need
to repeat the common
colors.

div { color: white; }

background-color: white;

- ✓ It means only
- ✓ after div can
- giving colored
- ✓ div

2020

01

(WK - 05) 032-334

February • Saturday

'20	M	3	10	17	24
	T	4	11	18	25
	W	5	12	19	26
	T	6	13	20	27
	F	7	14	21	28
	S	1	8	15	22
	S	2	9	16	23

- 9 am ~~div + p {
color: red
bg-color: green}~~
- 10 am ~~+ sign set at only first sibling inside or outside
+ sign set at after div.~~
- 11 am ~~p: not (color: green)~~
- 12 noon ~~that doesn't work~~
- 1 pm ~~every p tag that has checked = 10px;~~
- 2 pm ~~input: not (checked); margin: 10px;~~
- 3 pm ~~when input is not checked then margin would be 10px~~
- 4 pm ~~input [type = "text"] {
color: red
background-color: green}~~
- 5 pm ~~input { type = "text" } {
color: red
background-color: green}~~
- 6 pm ~~input { type = "text" } {
color: red
background-color: green}~~
- 02 sunday ~~get selected, have input type of text~~
- ~~\$ start with ^ =~~
- ~~\$ end with = \$~~
- 2020

03

(WK - 06) 034-332

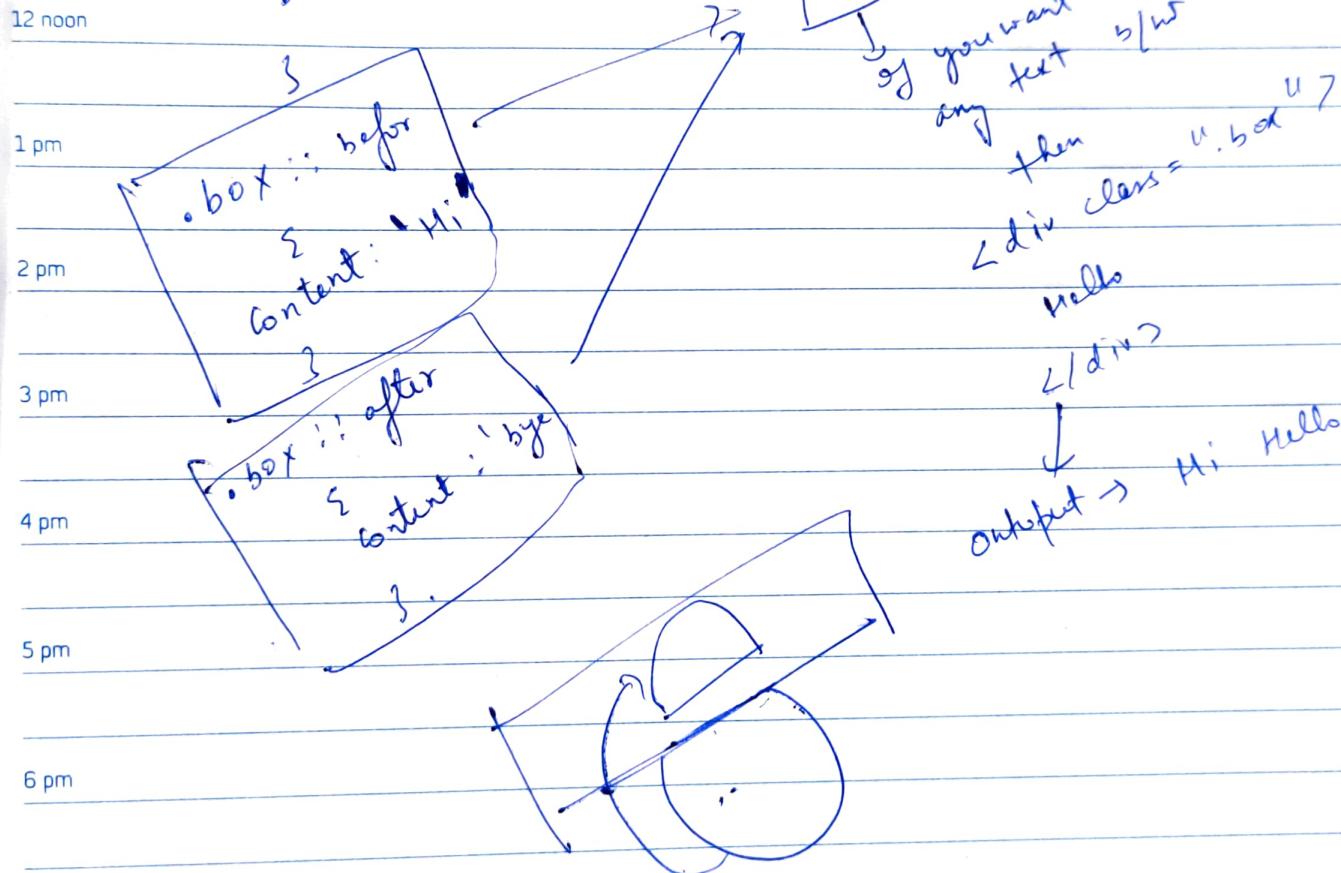
Monday • February

M	30	2	9	16	23
T	31	3	10	17	24
W	4	11	18	25	
T	5	12	19	26	
F	6	13	20	27	
S	7	14	21	28	
S	1	8	15	22	29

Pseudo elements

9 am p:: first-letter {
font-size: 20px; }

10 am p:: first-line {
background-color: green; color: white; }



2020