

2015

CSS

MARCH

077-288 • Week 12

| M | T | W | T | F | S | S | M | T | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  |
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APRIL 2015

Level 1

WEDNESDAY

18

HTML is just an sketch layout of a website  
we need CSS to design a website  
and style to it and make it look beautiful

What is CSS

CSS (Cascading Style Sheets)

How to add CSS in HTML

These have three ways to add CSS to HTML

1) <Style> tag → Adding <Style> ... </Style>

2) Inline CSS → Adding CSS using style attribute

3) Extend CS → Adding a style

Code

<meta name="viewport" content="width=device-width"

<title> Document </title>

3) <link rel="stylesheet" href="style.css">

13 methods (Adding style file) → Next page

I am not pretty. I am not beautiful. I am as radiant as the sun. - Suzanne Collins

THURSDAY

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| 30 | 31 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 |

MARCH 2015

19

&lt;style&gt;

$$\begin{cases} \# = \text{id} \\ \bullet = \text{class} \end{cases}$$

# first {

background-color: aqua;

• bg-blue {

background-color: blue;

color: white;

&lt;/style&gt;

&lt;head&gt;

&lt;body&gt;

&lt;div id="first"&gt;

[do not write > in this case]  
style = "background-color: red;"

[2. methods (attributes)]

&lt;div&gt;

&lt;div id="second"&gt;

Second

&lt;/div&gt;

&lt;section class = "red" &gt;

&lt;br&gt;

&lt;sections&gt;

&lt;section class = "red bg-blue border-purple" @

red bg blue and border purple

&lt;sections&gt;

Art is the lie that enables us to realize the truth. - Pablo Picasso

&lt;/div&gt;

2015

MARCH

079-286 • Week 12

FRIDAY

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

APRIL 2015

20

Style.css > ~~<style>~~

11 first {

12 B background-color: aqua; }

11 .big-blue {  
12 background-color: blue;  
color: white;

~~<style>~~

Selectors :-

3 A CSS Selectors us wch to  
4 Select or HTML delect.  
Body { color: red } →  
5 Element

6 h2 { color: blue }

7 id # first {  
8 @  
9 color: white  
background-color: black }

Try not to become a man of success. Rather become a man of value. - Albert Einstein

SATURDAY

21

| M  | T  | W | T | F | S | S | M | T | W | T | F | S | S | M  | T  | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  |    |    |    |    |    |    |    |
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MARCH 2015

Class selector :-

xcl {

background : red; }

Important Notes

• we can grouping selectors

h1, h2, h3, div {

color : blue [ h1, h2, h3, div  
{ will be blue ]

→ we can use element class a

selector like this

p red {

(class color : red; )

(all paragraph of class will get red)

[ p.red = paragraphs  
class red ]

→ '\*' can be used as a

universal selector to select  
all the element @

\* { margin : 0;

padding : 0; }

Kites rise highest against the wind, not with it. - Winston Churchill

Commute  
2015

/X

7

(Contd + MARCH)

082-283 • Week 13

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

APRIL 2015

Practise ?

MONDAY

23

- 1) Create a website with a red div which have a background color of red and white color?
- 2) Create element with id head and verify that background color works.
- 3) Have a look at the MDN CSS and try to play around with few value

## \* Multiple Classes

• `<div class = "red, yellow, pink">`

• `pink {  
background-color: red; }  
yellow {  
background-color: yellow; }  
red {  
background-color: red; }`

@

TUESDAY

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2015

chapter 2

24

(A) Type of color values

- following are the next commonly used colors
- 1.) RGB → Specify color using Red, Green, Blue value

- 2.) HEX Code → Specify color using #ff7f00

- 3.) HSV → Specify the color using hsl value  
eg hsl(0, 100%, 63%)

The value of the color background color provided are dry me of these values

(\*) The Background-color Property.

The CSS Background-color property specifies the background color of a container

for eg - brown {

Background-color: Brown; }

MARCH

WEDNESDAY  
084-223

2015

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APRIL 2015

The background - image property 25

used to set an image as the Background

10 Body {  
background-image: url ("nancy.jpg") ; }

11 The image is by default repeated in x direction.

12 y direction.  
The background-repeat property :-

repeat-x → repeat in horizontal direction.

repeat-y → repeat . vertical

no repeat → image not repeat.

both

6 code body {

background-image: url ('index.jpg')

background-repeat: repeat x;

@

{}

THURSDAY

26

| M  | T  | W | T | F | S | S | M | T | W | T | F | S | S | M  | T  | W  | T  | F  | S  |
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(\*) The Background-size Property

can be following

cover :- fits & no empty space remains

contain → fits & image is fully visible.

auto :- Display in original size.

width :- Set width & height will be set automatically.

{width, height} :- Set width & height.

Note :- Always check the mdn does to select a given CSS property.

Code

<div style="background-color: #f0f0f0; width: 100px; height: 100px; display: flex; align-items: center; justify-content: center;">>

I am selecting human derived.

</div> @

<style> .container {

A book without words is like love without a kiss; it's empty. - Andrew Wolfe

2015

MARCH

086-279 • Week 13

| M | T | W | T | F | S | S | M | T | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  |    |    |    |
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APRIL 2015

FRIDAY

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width : 334px;

height : 1344px;

background-image: url('image.jpg');

background-size: contain; // do not cover all  
image

color: white;

background-size: cover;

</style>

(\*) The background-position Property:-

5 Sets the starting position of a

6 background image

div

background-position: left top;

background-position: left bottom; }

11 HOW we can check 11

Everything you can imagine is real. - Pablo Picasso

SATURDAY

28

The background-attachment property.

|    |    |   |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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Defines a Scalable/non Scalable

Character of a background image

div { background-attachment: fixed; }

background-attachment: scroll;

" - " : local;

: local scroll; }

The background shorter shorthand

A Single property to set multiple

background properties.

div {

background: red url('img.jpg') no-repeat fixed right top;

2015

MARCH

089-276 • Week 14

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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APRIL 2013

MONDAY

30

One of the properties can be missing  
given the others are in  
order.

Chapter:- 2 (Project)

@

ch = 03Box Model

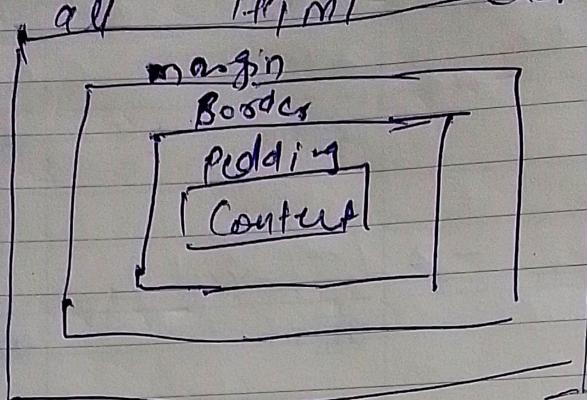
2015

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01

The CSS box model of

boxes



Notes - Total height / width is calculated,  
as follows:

Total height = height + top/bottom padding  
+ top/bottom border + top/bottom margin.

(\*) Setting margin & padding :- We can set margin and padding as follows:

Box {  
margin : 3px;  
padding : 4px;

@

WEDNESDAY

01

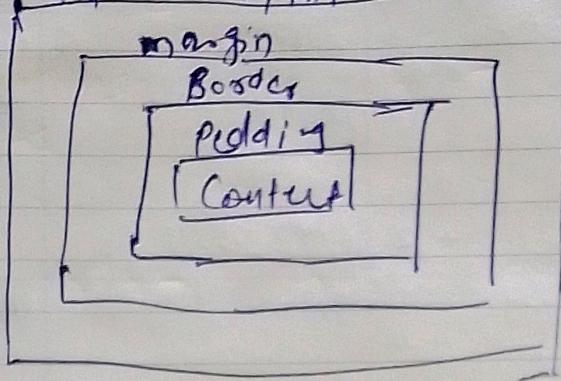
ch = 03 Box Model

2015

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

boxes

The CSS box model looks like this:



Notes - Total height/width is calculated at follow.

Total height = height + top/bottom padding  
+ top/bottom border + top/bottom margin.

A) Setting margin & padding :- We can set margin and padding as follows:

Ex { margin : 3px;  
padding : 4px;

@

2015

M T W T F S S M T W T F S S M T W T F S S M T W T F S S  
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APRIL

092-273 • Week 14

THURSDAY

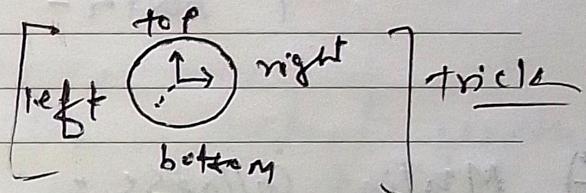
02

MAY 2015

We can set margin/padding individual

like this ↗

box { top right bottom left  
margin : 7px 0px 2px 11px; }



- 1 If top or bottom same size & left/right
- 2 Same size we can write this type code.

box { top/bottom margin : 7px 3px; }  
left/right }

### Note:

Same value we can use in padding.

### (\*) Border setting :-

We can set the border as follows.

• bl { border - width : 2px; }  
  { border - style : solid; }  
  border - color : red! @  
or Just set border : 2px solid red  
[Shortend form]

FRIDAY

03

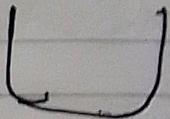
| M | T | W | T | F | S | S | M | T | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  |    |    |    |
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APRIL 2015

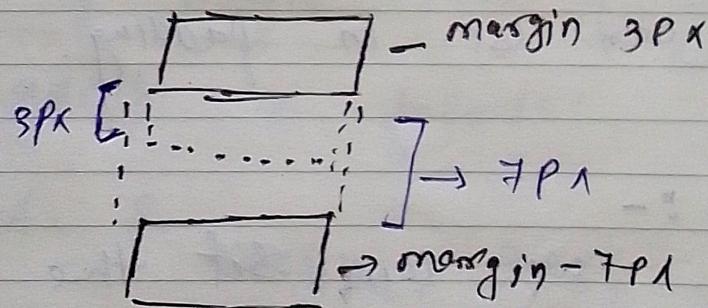
(\*) Border Radius :- we can set border radius to create rounded borders.

box {

border-radius : 7px ; }



(\*) Margin collapse :- when two margins from different element overlap the greater margin is the greater of the two. This is called margin collapse.



Note! - if two classes have 2 class

and 1 class has 3px margin

and 1nd also 7px margin so consider only greater size (7px)

Do what you can, with what you have, where you are. - Theodore Roosevelt

bcoz 3px also under the 7px

2015

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

APRIL

094-271 • Week 14

SATURDAY

04

MAY 2015

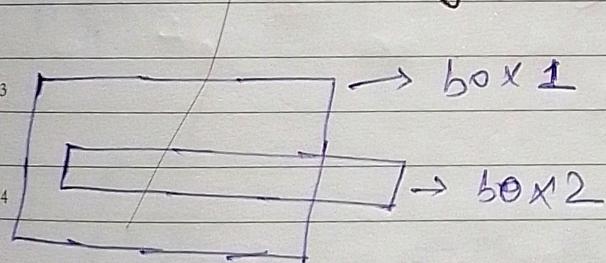
## Box Sizing :-

Determined what out of padding and border is included in element width and height can be content-box or border-box

div f

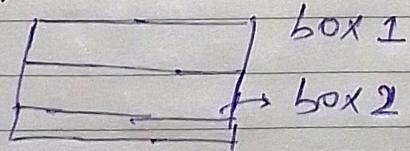
box-sizing : border-box ;

↳ The content width and height includes content + padding + border



After use

Box Sizing [child box easily fits under the parents]



[do not use margin here]

Sunday 05

Note! - Border Box means to change height & width only border

Content Box : change height and width only content

A thing is not necessarily true because a man dies for it. - Oscar Wilde

APRIL

MONDAY

06

|   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |
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Chapter-3 Practice Set

2015

APRIL 2015

1)

Create a website Add a header box, 1 content box one footer.

10

2) Add borders & margins to

11

3) Did the margin collapse between content box & footer

12

① Add the box-sizing property content box what change did you notice

4

5

6

7

@



## chapters - 04 fonts & display

2015

APRIL

097-268 • Week 15

MAY 2015

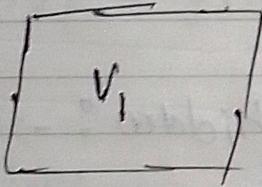
TUESDAY

The display property:- The CSS display property is used to determine whether an element is displayed as a block / inline element & the layout used for its children.

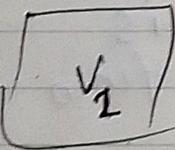
07

display: inline:-

Takes only the space required by the element No line break before and after the element. Setting width / height not allowed. (margin / padding) (span)

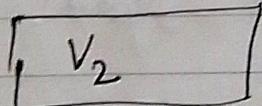
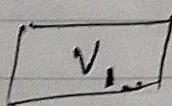


over all row



over all Row

But after :- display inline



@

in one line

2015

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APRIL

WEDNESDAY

| M | T | W | T | F | S | S | M | T | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  |
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08

Block element :- Takes full space available in width and width before after the element

Code }

display : block ;

display : inline-block ; -

Similar to

inline but setting height, width, margin and padding is allowed. Element can sit next to each other.

display : none vs visibility : hidden ; -

With display : none , the element is removed from the document flow. Its space is not blocked.

With visibility hidden ; - the element is hidden but its space reserved.

@

2015

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MAY 2015

THURSDAY

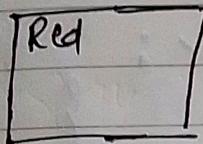
09

text-align property:-

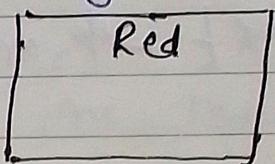
used to set the horizontal of a text.

div {

text-align: center; } left / right



after code →



we can set div element anywhere with the help of 'text-align'.

• text-decoration property :-

used to decorate the text can be overline, line-through, underline, none.

P { background-color: red;

text-decoration: underline; → RAM

text-decoration: overline; → RAM

[We can check MDN]

FRIDAY

10

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APRIL 2015

• text - transform property :-  
 used to specify uppercase and lowercase letter in a text.

P { text-transform : uppercase; }

line-height property :-  
 used to specify the space between line.

div { line-height : 0.7; }

Ram  
→ 0.7  
Sym

font :-  
 font plays a very imp role in the look and feel of a website

div { font-size : @ 23px; }

RAM → 23px

If at first you don't succeed, try, try again. Then quit. No use being a damn fool about it. - W.C. Fields

2015

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SATURDAY

11

MAY 2015

font-family :-

font family specifies the font of a text can be of multiple value as a "fallback" system.

font-family : "Times new Roman", monospace  
Always do this to ensure the correct text of your choice is rendered. use safely more than two font style if one is not available so Browsers can use another style ?

Note :- use specifically to ensure one word is given sentence.

(\*) Web Safe Fonts :-

Sunday 12

The more I see, the less I know for sure. - John Lennon

MONDAY

13

| M | T | W | T | F | S | S | M | T | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
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APRIL 2015

9. Note :- If you want to use google font in your web site so firstly copy links and mention in CSS code and right a name like this:-

1. ~~html~~ Code {  
 2.     link rel = "stylesheet"  
 3. href = "link" }  
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Facts do not cease to exist because they are ignored. - Aldous Huxley

2015

APRIL

104-261 • Week 16

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

MAY 2015

TUESDAY

14

font - variant → sets whether text +  
is displayed in small-caps

font - weight → sets the weight of the  
font. → A

• Generic families :-

Broad class of similar  
fonts eg. serif, sans-serif Just  
like when we say fruit.  
it can be any font when we  
say serif it can be any serif  
font.

font - family → specific.

Genetic - family → Genetic.



@

WEDNESDAY

15  
15

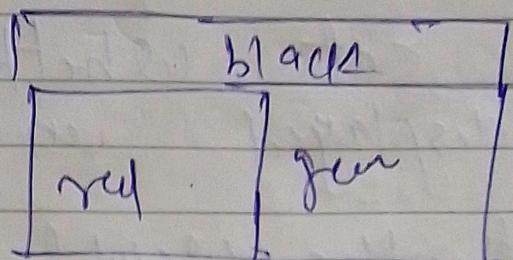
APRIL

Practice set chart

2015

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

APRIL 2015



i) add Balbu Blou' font (Google)

ii)  
12

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2

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7

# chapter > 05

## Size, position, lists

2015

APRIL

106-259 • Week 16

THURSDAY

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

MAY 2015 There are more units for describing size other than 'px'. There are 'rem', 'em', 'vw', 'vh', percentage etc.

16

What wrong with pixels? :-

Pixels (px) are relative to the viewing property for a device with size 1920x1080, 1px is 1 unit out of 1080/1920.

Relative length:-

i) em → unit relative to the parent font size.  
em → means "my parent element's font size"

Code { font-size: 3em }      em = 3 times = 9.

ii) rem → unit relative to the root font size (<html> tag)

Case 1

html { font-size: 48px; }

Box {

@

font-size: 3rem }

$\hookrightarrow 3 \times 48$

= 135px

FRIDAY

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

17

$\text{vh}/\text{vw} \rightarrow$  unit relative to  
viewport width.

dev

10 {  
width : 50vh }  
height : 50vh }

11 Note :- we don't control open the any website  
in ~~the~~ which type phone so  
12 we can't change background size

13 So But we can use 50vh, means  
50% width of phone.

14 so unit relative to the parent  
element.

15 min/max-height width :-

16 ~~the~~ box {

min-height : 30px

17 height : @ 10px }  
If we right min-height or width in

code so (V>) can't do work

APRIL

108-257 • Week 16

2015

| S | S | T | W | T | F | S | S | M | T  | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  | S  |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 |

SATURDAY

18

MAY 2015

19

Code -

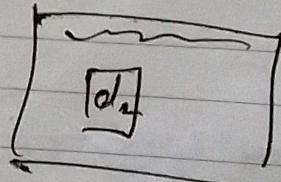
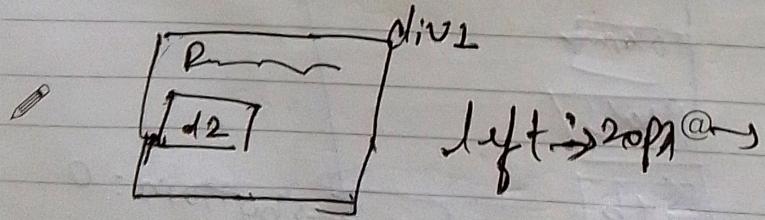
box {  
 max-height: 50px;  
 height: 60px; }  
 60px can't work in code.

position-size : — Used to manipulate  
 the location of  
 an element following  
 value.  
 As the possible

static : The default position :

top/bottom/left/right has no  
 effect.

relative : — The top/bottom/left/right  
 will now work otherwise  
 the element is in like static flow of  
 document



Sunday 19

2015

Code  
APRIL

110-252 \* Week 17

MONDAY

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

20

div { }

}

div { position: relative; }

left: 20px;

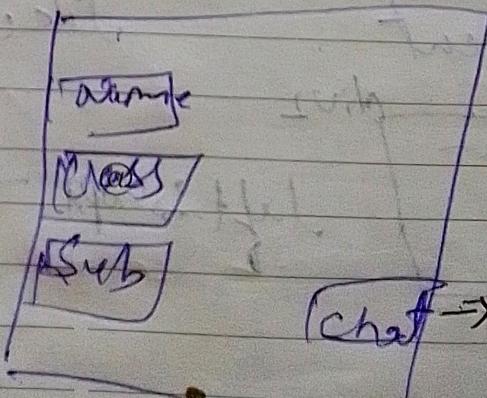
right: 20px; }

position: relative;  
left: 20px;  
right: 20px; }

absolute: - The element is removed from the flow & is relatively positioned the element is

Note: - with the help of this property we can use child container anywhere.

fixed : with the help of fixed property we can set button in website with fixed position. [ Chat ] button also used the property.



You can't be happy unless you're unhappy sometimes". - Lauren Oliver, Delirium

Sticky: - The element is positioned based on user's scroll position.

2015

APRIL

113-252 • Week 17

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

MAY 2015

THURSDAY

23

Z-index property :-

If you want overlapping to see

Content

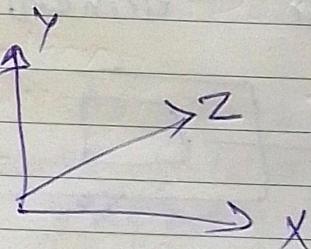
1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>

so we can set

Z-index

firstly and then other value show larger property to

$3 > 2 > 1 > 0.7 > 0.5 > 0$



Code {

Z-index: 3 }

list-style property :-

ul {

~~display: inline;~~  
~~display: block;~~

li {

display: inline;

list-style: square, circle, url(imag) }

About name i like

Happiness is intelligent people is the rarest thing I know. - Ernest Hemingway

FRIDAY

24

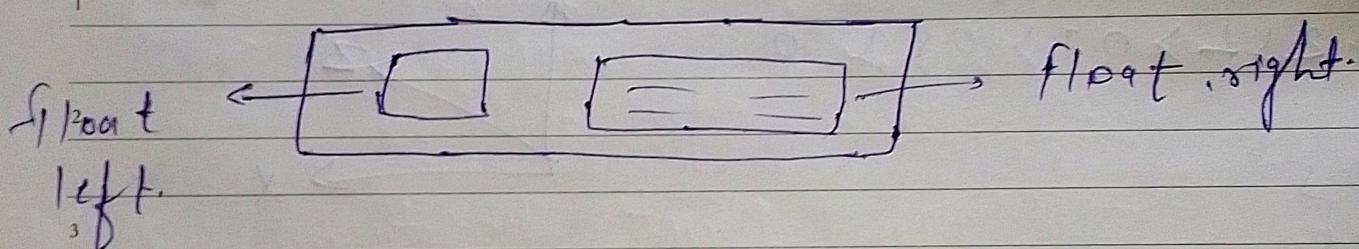
| M | T | W | T | F | S | S | M | T | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |

## [flexbox]

APRIL 2015

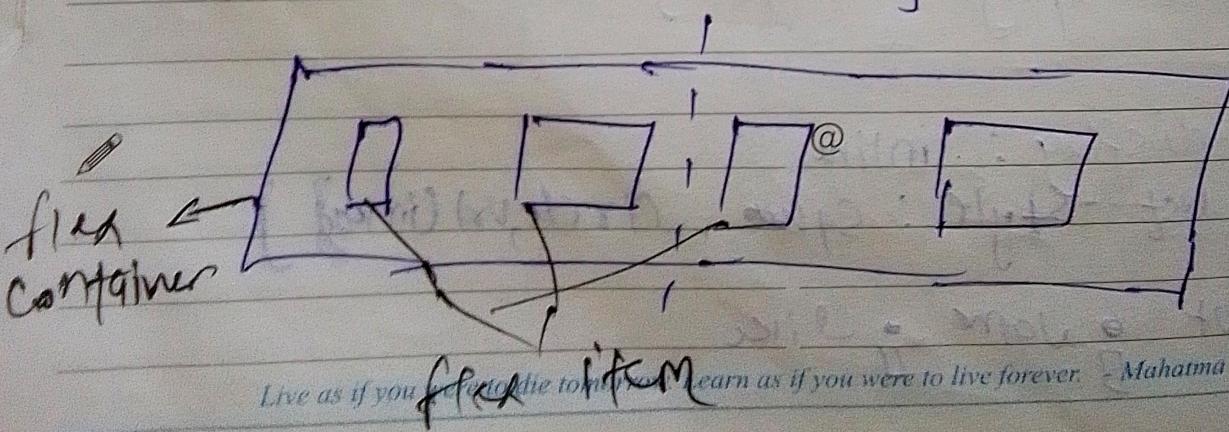
Before we look into the CSS flexbox  
we will look into float and clear.

The float property :- It just flows  
the element



The CSS flexbox :- with the help  
of flexbox we can  
contain more and more boxes in  
any direction.

Contain {  
display: flex; } => On this a flexbox.



Live as if you were to die tomorrow. Learn as if you were to live forever. - Mahatma Gandhi

2015

APRIL

115 250 • Week 17

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

SATURDAY

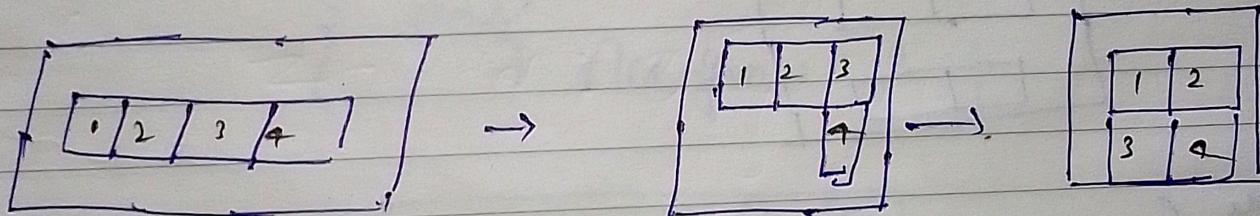
## Flex-direction Property:-

25

- the direction to wrap which item are  
laid can be row, row-reverse, column,  
column-reverse.

### (A) Flex Properties for parent (flex container) :-

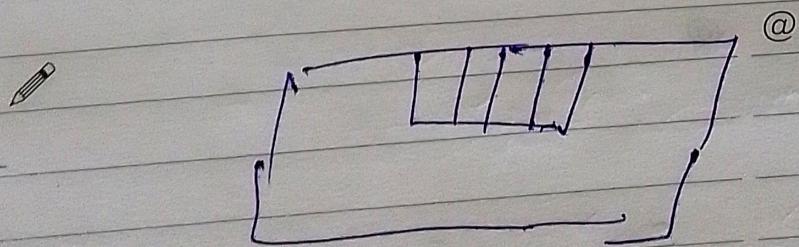
- 1.) flex-wrap :- can be wrap,  
wrap-reverse, wrap-item  
are needed with this property



- 2.) justify-content :- defines alignment along main axis -

Container {  
justify-content: center; }

Sunday 26



The reason I talk to myself is because I'm the only one whose answers I accept. - George Carlin

MONDAY

27

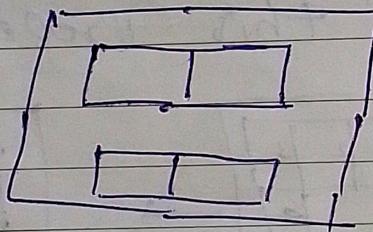
| M | T | W | T | F | S | S | M | T | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11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

APRIL 2015

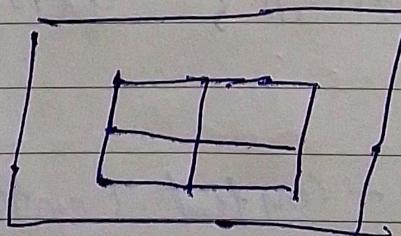
9) align-items : - Defines alignment along axes.

10) align-content : Aligns flex container's lines when there is extra space in the cross axes.

Center  
all



Code {



@

MONDAY

27

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

APRIL 2015

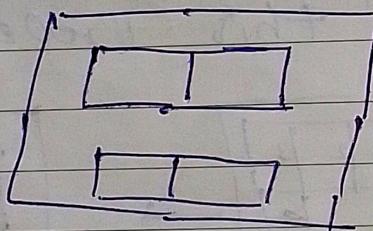
9) align-items : - Defines alignment along axes.

10) align-content : Aligns flex container's lines when there is extra space in the cross axes.

12

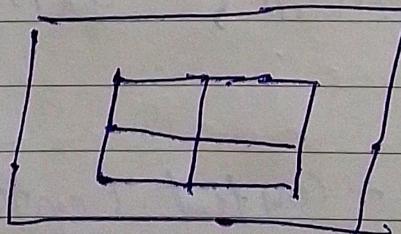
Center  
1 off

2 } align-items : center }



5) Code {

6) align-content : center }



@

Ch = 07

## Grid & Media Queries

2015

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

MAY

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WEDNESDAY

JUNE 2015

13

A CSS grid can be initialized using containers

```
display: grid;
```

All direct children automatically become grid items.

The grid-column-gap property:-

Adjust the space between the columns of a CSS grid

```
Code :- grid-column-gap: 8px;
```

The grid-row-gap property:- used to adjust the space between rows of grid.

The grid-gap property:-

display: grid  
grid-gap: 40px 30px;

THURSDAY

14

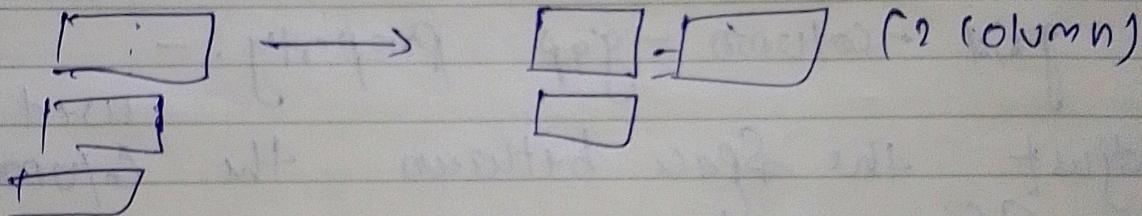
| M | T | W | T | F | S | S | M | T | W  | T  | F  | S  | S  | M  | T  | W  | T  | F  | S  | S  | M  | T  | W  | F  | S  |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 |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

MAY 2015

(A) Following are the properties for grid container:

1) The grid-template-columns property :-

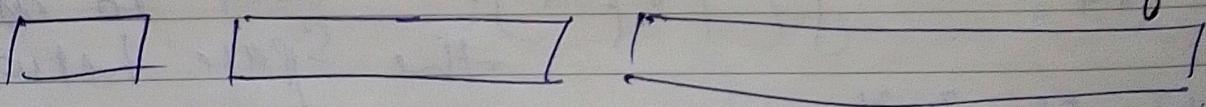
Can be used to specify the width in column



Code {

grid-template-columns: 80px 120px auto;

3 column → 1) 80px, 2nd 120px, 3rd adjust itself ]



2) The grid-template-rows property :- can

be used to specify the height of each row



CS display grid

grid-template-rows : 70px 150px }

A book without words is like love without a kiss; it's empty. - Andrew Wolfe

THURSDAY

14

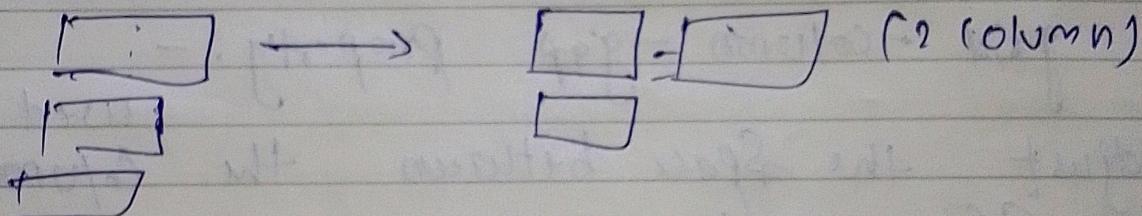
| M | T | W | T | F | S | S | M | T | W  | T  | F  | S  | S  | M  | T  | W  | F  | S  | S  | M  | T  | W  | F  | S  |    |    |    |    |    |    |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 |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

MAY 2015

A) Following are the properties for grid container:

1) The grid-template-columns property :-

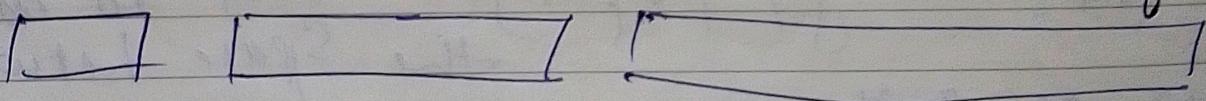
Can be used to specify the width in column



Code {

grid-template-columns: 80px 120px auto;

3 column → 1) 80px, 2nd 120px, 3rd adjust itself ]



2) The grid-template-rows property :- can

be used to specify the height of each row



CS display grid

grid-template-rows : 70px 150px ; }

A book without words is like love without a kiss; it's empty. - Andrew Wolfe

SATURDAY

16

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

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

2) The grid-row property :-

MAY 2015

9 how many rows an item will span

10  
11 3) We can make an item to start on column 1 and span 3 columns like this,

12 item {

1 grid-column: 1 / Span 3; }  
(or) @media print

2

3  
4 CSS Media Queries:- Used to apply  
9 Certain condition in CSS only when  
5 Syntax:-

6 ① media only screen and (max-width: 800px)

7 body {

background: red; }

Note :-

means if user viewing less than 800px  
@ phone or laptop so

change colour of background;

## Chapter :- B

2015

130 226 • Week 21 MAY

TUESDAY

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

MAY 2015

19

### Transforms, Transitions & Animation.

Transforms are used to rotate, move, skew or scale elements. They are used to create a 3D effect.

The transform property: -

used to apply a 2D or 3D transformation to an element

The transform-origin property: - Allows to choose origin of transformed element

2D transforms → x, y axes

3D → z axes.

CSS 2D transform methods: -

1) translate (x, y)

2) rotate ()

3) scale X ()

4) scale Y () @

5) skew ()

6) matrix ()

7) scale ()

Happiness is not something ready made. It comes from your own actions. - Dalai Lama XIV

2015

MAY

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

JUNE 2015

FRIDAY

22

CSS 3D transform methods :-

- i) rotate x()
- ii) rotate y()
- iii) rotate z();

box 1 {

transform : translate(134px, 56px) rotate(0.25turn)  
 or rotate(45deg)

box 2 {

transform: scale(4,7) } } direct change ~~order~~  
 in x-axis and y-axes.

@

SATURDAY

23

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

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9 CSS Transitions :- <sup>Used to change</sup> property value  
 10 Smoothly, over a given duration.

11 The transition property :- The transition property is  
 12 used to add transition in CSS.  
 1 following are the properties used  
 1 for CSS transition.

2) transition - property :- The property you  
 3 want to transition.

4) transition - duration → Time for  
 5 which you want  
 transition to apply:

6) transition - timing-function :- How you  
 7 want the  
 property to transition.

8) transition - delay :- Specifies the delay  
 for transitioning transition

means:- transition-delay: 3sec;

There is no failure except in no longer trying. - Elbert Hubbard

[after 3sec will apply any other property)

MAY

145-220 • Week 22

MONDAY

25

2015

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

JUNE 2015

10 Code :-

&lt;style&gt;

11 .Container {

background-color: Red;

height: 230px;

width: 400px; }

12 .Box { border: 2px solid black;

display: inline-block; }

13 img:hover {

width: 56px;

|| img size value 56px;

}

14 img { width: 455px;

transition-property: width;

transition-duration: 3s;

transition-timing-function: ease-in; }

@

&lt;body&gt; &lt;div&gt; &lt;div class="container"&gt;

15 div class = "box" &gt;

we accept the love we think we deserve. - Stephen Chbosky

img src = "link" &gt; 14.02 &gt;

TUESDAY

26

2015

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

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9 Note:- All these properties can be  
 10 Set using a single shorthand  
 property

② duration      ④ delay

11 transition : width 35 ease-in 2s ;

12                  ① property      ③ timing-function

## CSS Animations :-

1 → used to animate  
 2 CSS Property with more control  
 3 We can use ① keyframes rule  
 4 to change the animation from  
 5 a given style to a new  
 6 style

① keyframes {  
 7     from { width: 20px; } → Can change multiple  
 8     to { width: 31px; }

@



2015

MAY

147-218 • Week 22

JUNE 2015

WEDNESDAY

Properties to add Animation:-

27

- 9 i) animation-name! - name of the animations
- 10 ii) animation-duration! - How long the animation runs?
- 11 iii) animation-timing-function! - Determines speed of an animation.
- 12 iv) animation-delay! - Delay for the ~~start~~ start of animation.
- 2 v) animation-iteration-count - Number of times animation should run.
- 3 vi) animation-direction! - Specifies the direction of animation.

5 The animation! shorted. :-

6 All the  
7 animation properties from 1 to 6  
can be applied like this

8 i)      ii)      iii)      iv)      v)      vi)  
9      1)      2)      3)      4)      5)      6)  
10      7)      8)      9)      10)      11)      12)

11 animation: harry 6s linear 1s infinite reverse  
12      1)      2)      3)      4)      5)      6)  
13      7)      8)      9)      10)      11)      12)

2015

148-217 • Week 22

THURSDAY

MAY

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

MAY 2015

28

9 Code :-

~~<Style>~~10
 

```
10 .cont { background-color: #00f; }
```

{

11
 

```
11 .box {
```

12
 

```
12   animation: harry 3s ease-in-out 0.5s 4 alternate;
```

}

13
 

```
13 @keyframes harry {
```

14
 

```
14   from { width: 300px; height: 300px; }
```

15
 

```
15   to { width: 600px; height: 900px; }
```

@

&lt;/style&gt;

2015

MAY

149-216 • Week 22

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

JUNE 2015

FRIDAY

29

## Using Percentage Value States with Animation

? - We can use %. Value to indicate  
genet Should happen when a  
Certain Percent of animation is  
Completed.

12 ① keyframes horray {  
1

1 - { width : 20px; }  
2 }

3 50% { width : 80px }  
4 }

5 100% { width : 200px } }  
6 }

@



Kites rise highest against the wind, not with it. - Winston Churchill