```
* css tutorial *
  css is the language we use to style a web page.
   cascading style sheets
                                             I Y . T. AREA I Salar . Laurenge . .
  esseyntax -
  A css reule consists of a selector and a declaration
   block.
  hi & color: blue; font-size: 12px;}
                                                                           declaration
 proposty value
* css selectors *

A css selector selects the HTML elements you want
                 of the medical property of the party of the 
- simple selectors (select ele based on 9d, class, name)
  - combinator selector (relationship better them)
  - pseudo-class selectors (based on certain state)
  - pseudo-elements selectors (select and style a part of
                                                                                    an element)
   - Attribute selectors ( select elements based on an attribute
                                                                       or attribute value?
 * -> will select all html element on document.
 * How to add css -
 i) External < link rel = "stylesheet" horef = 1111)
 2) internal
  3) inline
* css comments -
         /* --- */
```

rab, Hexa, hsl, colox: red; the helci) border: I px solid green: background-color; light-gray;

# \* css backgrounds \*

The css background properties age used to add background effects for elements.

background-color - sets the background color of an elan background - image - use an image which does not distribe background - repeat - sets how a background image will be ye back ground- attachement -> bk image is fixed or scrolls. background-position - sets the starting position of back gray background (shorthand property) - sets all bak propincie declaration beickground-origin - specifies where the background images is lase positioned

background-size - specifies the size of the backgrow image(5) Strompt teller ) explosion object to

#### \* css borders

The css border properties allow you to specify the style width, and color of an elements border.

- css Border Style Shedralple 9 - for 81811

dotted dashed solid double Should nidge Priset outset none Ludden

effect depends upon border-color value

```
border-width
                     Top night bottom left
  border color
 border - radius
  css margins *
   margin : top right bottom left
   margin: auto; -> horizontally center the element
   margin : inherit; - inherited from parent element
Note - Negative valués are toot knowed.
* ess margin collapse -
 sometimes two margins collapse into a single margin.
margin collapse
* ess ess padding -
padding is used to create space around an element's
content, inside of any defined borders.
 padding: top right bottom left;
  length -> px, pt, cm etc
    of o 11- milensame Telmante ser At their
Note - Negative values are not allowed.
does not use width & padding together?
* css height, width, max-width-
 max-width -> gets max® width
height + width values -
  auto -default.
  length
  initial - sets the height/width to its default value,
   inhem +
```

### \* CSS BOX Model-

All HTML Elements can be considered as boxes.

Imp - when you set the width and height properties of an element with css, you just set the width and height of the content area. To calculate the full size of an element, you must also add padding, border and margins.

### \* css outline -

outline - offset

outline

An outline is a line that is drawn ground elements. outside the borders, to make the element "stand out" outline-style outline-color outline - width

Note - Outlines differs from borders! unlike border, the outline is drawn outside the element's border. and may overlap other content. Also, the outline is Not a past of the element's dimensions; the element's total width and height is not affected by the width of the outline.

## \* css text.

color - Note - Higy contrast is very imp for people with vision problems. So, always ensure that the contrast beto the text color and the background color 15 good !

\* Text alignment

text-align -> set the horszontal alignment of the text.

text-align-last --- property specifies how to augm last line of a text.

direction and unicode-bidi properties can be used to change the text direction and of an element.

N-align: sets the restical alignment of an vertical-align: element.

baseline, text-top, text-bottom, sub, super.

# ess text decoration -

text-decoration-line: overline, underline. line-through

text-decoration-color: to avoid underline text- decoration-style: (none) -

text - transform: - uppercase, lowercase, capitilized.

# \* css text spacing -

- is text indent property is used to specify the Adentation of first line of a text
- 11) letter-spacing spaces bett character in a text
- 111) line-height line height
- in word-spacing space betto words in a text.
- no white-space : (nowrap) -> single line output

\* CSS text shadow ->

text-shadow property golds shadow to text

```
choosing the right fort for your website is importing
* General families >
  sen't font-family - specify the font
  sans-serif of a text.
  monospace
                 mulded to a got lock and and
  cursive
  fantasy
* font style -
 font-style: normal, italic, oblique
               conons + office - notherouse for
* font weight -
 font-weight: normal, bold;
            -> property specifies wheather of not
* font-variant
    normal a text should be displayed in a
    small-caps small-caps font.
  font - size
   lobx .
     1em = 16px
  Responsive.
           viewport width .
* Goodle font
  dlink rel = "stylesheet" hef = "googleapi")>
```

css icons > ess link link Buttons I many da to cont a link add padding. a : active got applyed applicate stary 9 : visited css list list - style - type: circle, square, disci list-style-image: 47/ (1 path"); list-style-position: outside, inside, list-style-type: none, nargin: 0 Remove default
parding:0 Settings. margin: 0 list-style: type position image > Thoughton toble, th, tol & Table border border: 1px solid green; as to troppe the manth of plant of the ful width table -> width: 1001 Double borders > table, th, to all have seperate border-collapse: collapse;

\* table size width height

\* table alignment.

text-align: left; right, center

vertical-align: boltom, top.

\* ces table stak >

tr: hover & background-color: coral; 3

\* Responsive table-

Add a containor element ( like xdiv >) with

overflow-x: auto; around the xtable > element to make

it responsive.

caption-side -> Specifies the placement of a table caption.

ompty-cells - specifies whether or not to display borders and background on empty cells in a table

table-layout -> sets the layout algorithm to be used for a table.

\* css layout - the display property.

The display property is the most important ass

- The display property specifies if I how an element
- Every HTML Element has a default display value depoted on what type of element it is the default display value for most elements is block or inline.

pisplay: none; block; inline. is commonly used with javascript to hide and show elements without deleting and tecreating them. Take alook at one last example on this page if you want to. visibility mane; -> It takes space display none . > It does not takes space \* css - max widty -> yseful for small devices \* css layout - the position property The position property specifies the type of positioning method used for an element (static, relative, fixed, absolute or sticky). All css positioning properties -\* CGS Z-index - sets the stack order of an element \* css overflow property controls what happens to content that is too big to fit into an area. overflow: visible hidden scroll auto \* css float + clear float: left, right, none, inhent \* The clear property

- when we use the float property, and we want the next element below (not on right or left), we will have to use the clear property

clear: none, left, right, both, inherit

```
* css- inline-block ->
 1 display: inline, the major difference is that
Compared to
     display: inline-block; allows to set a width
and height of the element.
Also, with display in line-block, the top and bottom
 margins / paddings are respected, but with display into
 they are not
* css_align ->
                   region and man part and med as
  1> Center Align Elements -
     To horizontaly center a block element, use
       margin; auto;
Note - center aligning has no effect if the width
       property is not set.
```

2) Center an Image To center an image, set left and right margin to auto and make it into a block element.

she was gather door display: block; margin-left: auto; margin-right: auto: width : 40: no que has significan de co

3) Left & Right align - using position

-A combinator is something that explains the \* CSS Combinators relationship beto the selectors · descedant selector (space) · child selector (>) · adjacent sibling selector (+) [immediately following) · general sibling (~) \* css pseudo-classes -What are pseudo-classes -> A pseudo-classo is used to define a special state of an element. Note - a: hover must come after aslink & a: visted in the css defination in order to be effective. a: active must come after as hover in the css defination in order to be effective. Pseudo-class names are not case, sensitive.

\* Ess pseudo-elements

+ css pseudo-element is used to style specified parts of an element. and apport to true the property of the state of the

Syntax

selector: : pseudo-element {

property: value;

ine -> special style to-first line of a text.

p: first-line 5

\* css opacity -: - 2 YE I NICHOLD 200 opacity: 0.5; Toto 1

+ css position - property.

The position property specifies the type of positioning method used for an element ( static, relative, fixed, absolute or sticky).

compensate description

- There are five different position values the solve plant of our streets
  - is static-
  - 2) relative , a smalled large and all the
    - 3) fixed ->
- 4) absolutes
- Elements are then positioned using top, bottom, left and right properties. How over, these properties will not work unless the position property set first. They also work differently depending on position value.

mes TREUM WORDS !!

[position: static];

HTML elements are positioned static by default.

position: relative

An element with position: relative; is positioned relative to its normal position,

setting the top, right, bottom, and left properties of a relatively-positioned element will cause it to be adjusted away from its normal position. Other contri will not be adjusted to fit into any gap left by the element.

div. Eelative &

position: relative;

I lax solig docen; &

## position: fixed

An element with position: fixed; is positioned relative to the viewport, which means it always stays the same place even if the page is smalled. The top, right, bottom and left properties are used to position the dement.

. A fixed element does not leave a gap in the top page where it would normally have been located.

## divofixed &

position: fixed; bottom: 0;

right : 0;

width: 300px;

border: 3 px solid green;

- An element with position: absolute is positioned relative to the negrest positioned ancestor Cinstead of positioned relative to the viewpost,

- However; if an absolute positioned element has no positioned ancestors, it uses document body, and moves along with page somiling.

Note - Absolute positioned elements are removed from the normal flow, and can overlap elements.

- An element with position: sticky; is positioned based on the user's scroll position.

- A sticky element toggles between relative and -fixed, depending on the soroll position. It is positioned selative until a given offset position is met in the viewport - then it sticks in place like position: fixed).

div. sticky & position: sticky; top: 0; who have when the transfer background-color groon border: 2px solid green; 3. The state of a sound day good of the sound to positioning text in an Image: 25 Malazzi Smithing . dinestructor Behreigh The regard with a series from the second making they a poll on poiler and the Acides with a dillow side of