CSS Chapter - 0 Introduction to Cold HTML is just an spletal layout of a website we need CSS do design a website, add styles to it and make it look beautiful. What is CSS

CSS Stands for ladcading Style Sheets

(dd is aptional but if converts on off looks.

HIMI grage into a beautiful segmentive with the Thy learn CSB?

CSD is a very demandend skill in the world of web development. If you are successfully colde to meter lost, you can customize your website as por your liking Greate forst line of CSS
Greate your directory and all
it to your HIML. All the following line to your CSS body ?
background - Color: red; This will make your page background as red.

Chapter - 1 Genting our first CSS Website What is DOM? Dan stands for idocument object model. When a page is loaded, the browser which is constructed as a trop of objects. setudiation seals bonas his SMTH to his one merity is given and it it Somes at a unique identifier for that elevent on the other had when an Him almost is go seen seals took at spealed over the state as the experts and grabed on stramala and north away almost must have a unique id () wished we can radd multiple classes to an alemat the star divided to the support of the support of the star of the star of the support of the suppor These ways the ald CSS to HTML 15 < Style > tug > Adding < Style > ... < etgle > do 19001 20 Inline CSS -> Adding CSS using Style attendante 30 External CSS -> Adding a Styleshoot (CSS) to HTML using tinks tog. CSS selectors is used to solot an HTMI elements for styling

Pages Date Selector Selector Color: red; -5 declaration (Boyerty: Value)
background - color: pink; > declaration Element Selector
It is used to select an element based off the day name to select an element based off the he {
Calor: blue; for example: It is used to select an element with a given it for Iscample:

first ? -> # is used to target by id

Color: red; Class selector select an element with a given class It is used to for enample:

Seed & is lessed to tagged by class

back ground-color: hed; Feder with the Decembert Selector die Porent hill Selactor Substan J. . . } specific clonent, selects all Pinside div P.10

Pages Date Important Notes: Solution Side this: h, h2, h3, div & Color: blue => h, h2, h3, div will be grouped exile retable as ea seals. tremelle sen mas ell ? Color: red; -) all paragaphs of will get color of all the alaments.

The select the direct childer the direct childer the given alament.

Adding: 0; the given alament this select this.

I dive this this this this select this. An inline style will oversite external and internal Cos . Comments in CSS is a text which is not parter and is thus ignored.

Syntax:
Syntax:
Styl This is comment/xor

Chapter - 2 Colors & Backgrounds Cold Jules are simply key-value pairs with a selector we can write C.88 rules to change color and set background. The color property can be used to set the tent color install an element Similary we can set color for different elements. Following and the most commonly used color values in CSS 1> RGB -> Specifies Color using Red, Green, blue values.

Cg. 396(200, 98, 75) 2> How codo -> Apocifies codor using How code eg. # ++ ++ 7180 3> HSL -> Specify the color using bot values

eg. hsl(8,909063%) 5 hue, saturation, lightness The value of the color or background color is provided.
as any one of these values.

The contracting - color property specifically specifically straction of a contaction of a contaction Shock ground - color ; brown? The background - Image property Used to set an image as the background. body i bockground image: Wall me. jeg"); The image is by default orepeated in x by directions the Sarkground - saperty and Can be any of:

Depot - x -> Prepeat in horizontal direction

repeat -> Prepeat in Vertical direction

no-nepeat -> iemage not prepeat de more possible values at MDN docs-The background - Size Properly Con be following:

Contain > fits & no almyly space remains

Contain > fits & image is fully visible

auto > Display in original size.

> 39 width 33 - Set width to height will be set outerwhically of swidth 33 19 height 33 - Set width to height The chackgroung - position property state. It state. odius & g buckground - position: left- da; The background - attachment property

Defines in similable man - similable character of
in background image. dive i dived: The background Shorthand
A Single property do Set multiple background peroperties background: red will", iPtr") no report fixed sight-top;

g color image repeat attachment position One of the properties can be missing giventhe others are in order.

Chapter -3

Col Dor Model ight The CSS abox model looks at all the HTMI elements as abox - Padding Setting width & height follows: Thom of the state of t those theight: 70Pr; Not that the total width height is calculated as Total height = feight + toplebottom prodding + top bottom border + top! water margin Setting Morgin & Padding as follow: margin: 3 Pr.; I set top bottom, left & sight
Padding: 4 Pr.; Values

Pages Date Date · Loremain & Top sight bottom left margin: 7 Pr opr 2 pr 11 proc? · box lost & topl bottom Light right. We can also set individual margins I padding like this: margin- dop: For; margin-bottom: 10 Pm; Same goes with Podding margin-right: 9 pm; Setting border us follows Mordon-Width: 2pr;

Bordon-Style: Stold: Or just set,

Sordon-Color: rod; Sordon: 2pr solid red; Border Radius we can set border radius to croate sounded bet trace I to worted got borden - radius : 7 Pri;

Margin Collapse apleans strangle transfills mary enigrous out persons of the format of the format of the format of the format of the transfill of the transfil to the bigger margin marginger Determines what out of padding and box is included in alements with and fight Content - Don or border - box b) Include only content in Bruils. close-sizing: bordon-box; I width and hight includes content + Rolding +

Pages Date | Chapter -4 Poots & display The display property is used to determine whether can element is treated as a blacklished along the designation of the designations. Takes only the space required by the element to disclaracks before and after betting width high! margin padding is not allowed. Takes full object available in widthand deaves a newtine object and after the almost. display: Isline - block
Similar do inline but setting height width margin
and padding is allowed. Elements can dit next to each other display : none vs bisibilty: hidden With display: none; the abovert is remark from the document flow. Its apare is not blacked. leith display visibilty: hidden the clement is kidden but its space is reserved.

tent - align property the harizantal alignment of align : divy & divy & contex; Less to decorate the tent. tent - trappored morehenest - trati who searcepped of based in a stant - transform: uppercase; Line - height proporty the space between lines. display if so : theight about fidde Fort plays as very comportant scale in the

fort - family specifies the fact of a text.
Com fold multiple volues as a follow system. fort finity: "Times new Roman, monospore; tof troces at such of your for beschroe is single for These fonts are universally unstalled across become How to add google forts
In order to use custom google forts go to google
forts then select a style and finally poster ut
to the style ass of your page. There font properties Some of the other fort properties are disted fort- size -> Sets size of the fort

fort-style -> Sets the fort style

fort-voirint -> sets whether text is displayed in

somall - caps.

fort-weight -> sets the weight of the fort.

Date Chapter - 5 Size, position & lists There are more unite for describing size other the pr'. There are rem, em, uw, ut, percentiges at. Whats using with pixels?
Pixels are relative to the vicuing device for a device with size 1920 x 1080, LPR is I write out of 1080 / 1920. Relative lengths
These units are relative to the other length
property. Edwing one some of the most commonly
used relative lengths. 1> em -> Unit relative to the parents font size. emit spice to the roat fort size (HTML) 3> Vw > Unit relative to 1010 viewpord width. us up) Unit relative to 1 10 viewport freight. 5> 0/0 -> Unit relative to the parent element. min I mare - height I width property

CSS has a min - height, more height, min-width and more
wielth property.

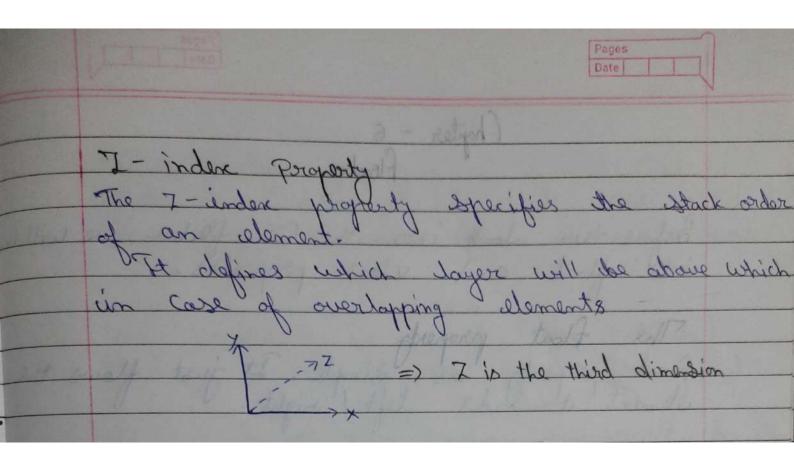
The content is smaller than the minimum
height, minimum height will be capplied.

Similar in the case with other related proporties The position property
Used to manipulate the location of an element
following are the possible values: Static: The default position - top / bottom/ left | right /2 idea. row. Otherwise the relement is in the flore of document like Static. absolute: The element is removed from the flood is all vely positioned to its first non-static another top bottom etc. works. of fixed: Just like absolute accept the almost is positioned evaluative to the browser winds Sticky: The Element is positioned based on users The viest style peroposity is a southfund for type position & image. (1) } list-style - Position

list-style inside willing inage

list-style type

list-style image



Before we look into the CS floober, we willy into float and clear properties. The float property is simple. It just flows the element touched alph I right. float: light float: right The clear property used to clear the flat. It specifies what element can float beside a given element. The CSS Flowbore

times cat providing a better way to layout, aligned distribute space among items in a container display: flen; =) Initialize a flaxbox 1-) Crossanis -> had not be always lienter

Flox - direction property
Defines the direction forwards which items are laid
can be now now-neverse, (dumm, Column - neverse.

default Fellowing are the properties for the flex parent: 20 1. flex-wrap: (an be wrap, however, wrap-severse. Wray three as needed with this property. 2. justify Content: Defines alignment along main axis 3. aligh-items: Defines alignment along cross axis. 4. calign-content: Aligns a flex container's lines when there is entera space in the cross axis. Flox proporties for the children (flex items)
Following are the properties for the flex children 1. Order: Controls the order in which the items oppear in the flex container. 2. align-self: Allows default alignment to be overside exticat 3. Flen - grow: Define the ability for a flex item

Chapter - 7 Cls Goid & Media Duesies A CSS igrid van be initialized resing: · Container ? display: grid; All direct children automatically becomes grid items The - grid - Column - gap pergesty
Used to adjust the space between the Columns of
a CSS grid. The gold- now-gap property
used to adjust the space between the nows of a
CSS gold. The good - gap poroperty for grid - now - gap & grid-column-gap. display: grid; show

grid-gap: 40 pt 100pt;

grid-gap: dummt Note: for a single value of grid gap both how and column gaps can be set in one value.

Edicted birg of estraporal att area grindlest I The grid - template - calumns property can be well specify the width of redumns. · Container ?

display: grid;

grid template-calumns: 80 px 120 px auto; 2. The grid - tamplate - rows property can be used to specify the height of each brown. Container & grid;

grid-template-rous: FOPX ISOPX; 3. The qualify - content property is tased to ration the whole good inside the container 4. The align - content property is used to vertically align the whole gold ienside the container. 1. The grid - column proporty defines how many columns on item will span. · geid-idem {

geid-column: 1/5;

The grid- how proporty defines how many some can item will span. 3. We can make an idem to start on oderman I and span 3 column like this: · item {

gaid-column: \ span 3; CSS Modia Queries Used to copply CSS only when a certain Syntage: @ media only drosen and (max-width: 800px) {

body {

back ground - (olor: red;

}

Chapter - 8 Transforms, Transitions & Animations Transforms were used to relate, move, skew or scale. I alements. They are used to create a stay of the The transform foreforty
Used to cyply a 2 D or 3 D transformation to an alements. They are been to be sent Allows to change the position of transformed 2D transforms -> Can change X& Y axis
3D transforms -> Can change I axis as well CSS 2D thankform methods You can use the following 2D transforms in CSS: 1) translate () () state () without (1) 3) Deale X () Dale 1 Skow () advant whether days of a () xixtom () 1) Scale () Lordong elgithum print is med CSS 3D towardform methods C) x estator notate 7 1) rotate 2 ()

Used to whange property values smoothly as The transition property is used to add transition css. Following are the properties used for CSS transition I transition - property - The property you want to transition 2. transition - duration -> Time for which you want transition to a 3. transition - timing - function - Thow you want the property to transition 4. transition - dolay -> Specifies the dolay for the teansition All those properties can be set using a single sorthand property. Delivation Deletay transition: width 38 cape in 25:

O'Property Odiming function Transitioning multiple properties us follows transition: opacity 15 case-out 15, transform 25 case-in-Dransition delay

Pages Date Date Used to animate CSS peroporties with more control.
We can use @ keyfeamer sule to change the animation.
Jean a jiven style to a new style. E keyframes harry &

from & width: 20 px; 3-3 can change multiple property

to { width: 31 px; } Peroperties to add Animations
following are the properties used to set animation in cost 1. animation - name - name of the animation 2. animation - duration -> How long does the animation run? 3. animation - timing - function - Determines sylled coul of animation 4. animation - delay - Delay for the start of an animation 5. animation - iteration - count - Number of times an animation Should run. 6. carrimation - direction - Specifies the direction of the animation The conimation shorthand

All the animation properties from 1-6 can be applied like this:

animation: hosoy 65 dipear 15 dispirite reverse;

Using percentage value states with animation when a certain percent of animation is completed. @ Keyframes harry { 3 => Can add as many inter-50% & mediate properties as width: 30 Pn; possible. 100 4. { width: 200px; brooksenth noitemines