Animation And Responsiveness

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css style1 to css style2 gradual change between them is called Animation.

* Function in CSS

i/P -> [Function] -> 0/P

piece of code where we get output when we give Input to it.

Eg - rgb () i/p parameter.
repeat ()

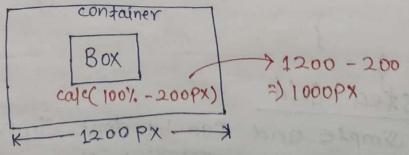
scale (), translate(), gradiant ()
rgba (), url (), minmax () etc.

* Moth Function in CSS

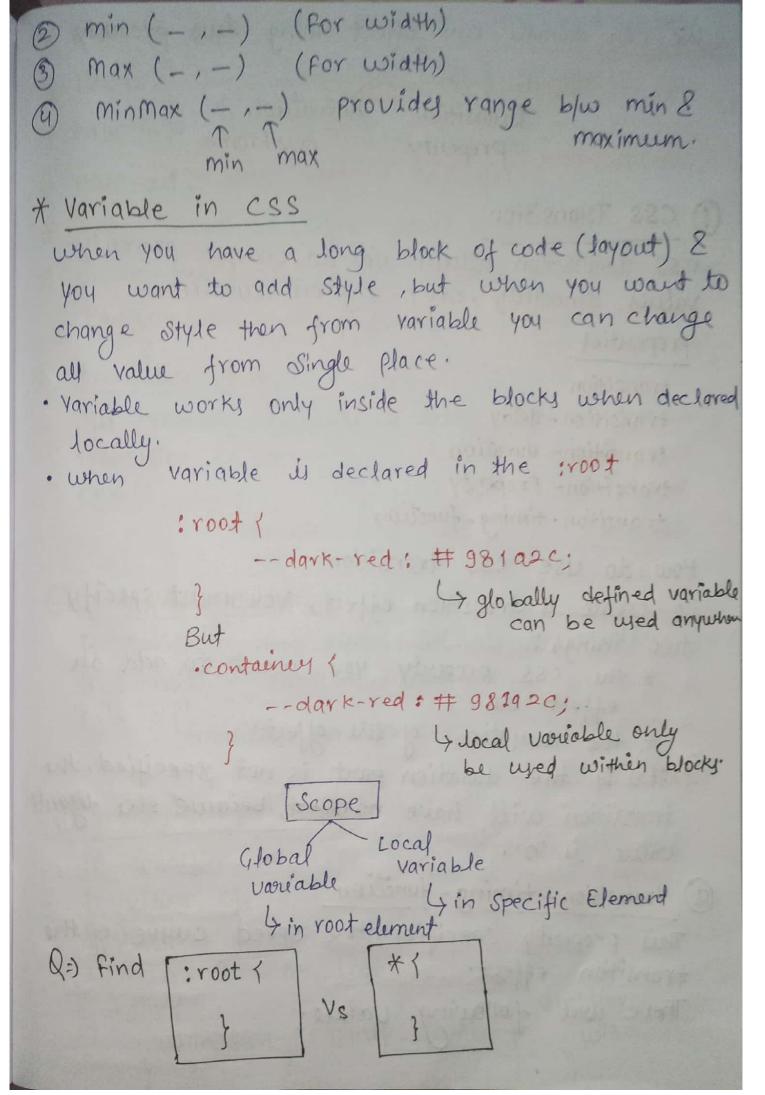
1) calc () (for width)

To solve expression (+,-, *, / etc)

E ye the value



calc (Parentbalue expression value) calc (100% - 200 px)



We can animate our object using two property

Transition Animation & Rey Frame

(1) CSS Tagnsition

css Transition allows you to change property values smoothly, over a given diviation

properties

transition

transition - delay

transition-duration

transition- Property

transition-timing-function

How to use css transition

To create a transition effect, you must specify two things:

* the css property you want to add an

effect to.

* the dwyation of the effect.

Note:) If the dwartion part is not specified, the transition will have no effect, because the default value is '0'.

a transition - timing - function

This property specifies the speed curve of the transition effect.

There are following value.

* ease: Slow Start, then fast, then end Slowely * linear: same speed from start to end. * ease-in: Slow start. * ease-out: - Slow end. * ease-in-out: - slow start and end * cubic-beziar (n,n,n,n):- define your own valuely Eq=) transition-timing-function: Cybic-beziar (0, 1:47, 0, 1.68); 6) transition-delay This property specifies a delay (in Sec) for the transition - effect div { transition-delay: 25; E transition-dyration It specifies how many seconds or millisecond a transition takes to complete. Eg =) P (transition-dyration: 35; 1 transition-property It specifies the name of the CSS property the transition effect is for " Egr) Hover a kdiv; element, and change the width with a smooth transition effect. div! hover { div transition- property: width:

width: 300px

(e) transition It is shorthand property eage-in 15 transition: bg-color property duration transition-Hming-function (effect) 4 properties Eg > / transition: background-color 0.3s eage 15 all 200 ms ease 2s, transition: (2) CSS Animation CSS Animation allows animation of HTML element without wing Is or Flash. property * animation-name * @ keyframes * animation-duration * animation-delay * animation-iteration-court * animation-direction * animation-timing-function * animation-fill-mock * animation (a) (a) Keyframes when we specify css style inside the @keyfram rule, the animation will gradually change from the convent style to the new style at centain lime, Eg > div{ @ Keyframes examples animation-name: example: 0% from animation dyration: 35; background-color; red; 100%, tox 69ckground-color; yella NOTE when we not specified in their no chamation will occur, because défault value is '05. 6) animation-name It specifies the name of the @keytrame animation Eg > @ keyframe (example) -> name (E) animation -delay It specifies a delay for the start of an animalion · Neg value are also allowed. If using neg value the animation will start as if Had already been playing for N second. Egy animation delay: 25; (d) animation - iteration - count The number of times an animation should run Eg=> div{ animation-iteration-count: 5; e animation-direction It specifies direction forward or backward. *normal -> * reveye * alternate ->< Eg =) animation-direction: normal reverge alternate alternate reverge

It specifies the speed curve of the animation

* ease * ease-in * ease-in-out

* linear * ease-out * cubic-bezier (nining)

(9) animation-fill-mode

eg=) div{
animation-fill-mode: forwards | backward/
both;

(h) animation

It is shorthand property

animation: example 55 linear 25 infinite atternate name I delay iteration direction timing- count function