* CSS grid A Grid is a collection of horizontal and vertical lines creating a pattern against which we can line up our design element. 220 layout, with rows and column and cap 3) This is matrix, Row 1 > (01) (012 ROW 2+ GAP ROW3 + I Flex Box - 1D column Gap Grid - 2D Ex column Gap column Gap: 100PX. ROW GOD row-gap: SOPX! Shorthand property for Gap gap: 50 PX 100 PX: row column * Display Property · grid - container { display: grid / inline - grid,

* Grid Container

Grid constainer es a parent constainer that conjugated grid items (child constainer) in row and column format.

1) For Grid column

grid-template-column: repeat (3, 1fr)

can also be written as

value in pixel as 200 px 250 px 1fr;

This means equally divides in to 3 part

1 For Grid Row

grid - template - row: repeat (4, 1 fr)

4 time Equally divided

3) For Gap in Grid
Gap: 15 PX,

1 Line - Based Placement

@ grid - column - Start

6 grid - column - end

O grid - row - start

@ grid - xow - end

Shorthand Proporties: grid row, grid column, grid area;

(5) Justify - Content Property (horizontal axis) * center * end * Start * space-between * space around * space-evenly 6) Align - content property & content more than one row * end * center * Start * space-between * space-ground * space-evenly * Grid- Item 1) grid-column property The grid-column property defines on which column to place an item. Ex=> Make 'item 1' start on column 1 and end before columns. ·item 1 · item 1 { grid-column-start; 1: grid-column: 1/5; grid-column-end is; make 'item 1' Stout on column 1 and Span 3 column: ·item { gred - column: 1/ span 3, 2) grid - row - property This property defines on which row to place an item. Ex => make 'item1' Start on row-line! and end on row-line 4. ·item { grid-row: 1/4;

grid row grid row end end column Start Start

Shorthand

The grid-area property specifies a particular area or set of rows & column that a grid item occupies. It is applied to the grid item itself with CSS.

item {

grid-area: 1/2/3/3;

* Grid - template - grea

grid - template - greq is the property used to name the roug and column of a gold & to set ity layout.

The ader?

· container {

display: grid;

grid-template-alumn: 300px 300px 300px;

grid -template-rows: 250px 30px;

grid-area: hd;

working col1 col2
row1 hd hd
Now 2 Side Side + This is how naming
4 done & when
rows ft ft we give value
that occupies
Q3) If we have some and column the space name
dejency en gou'd & can name Greg
them with (guid-template-grea) = # header (
2 then give more data (box). grid-areain
than define what will happen }
to the eatra box # footers
They are all squeeze below grid-area; ft;
the containers
* Advanced grid concept # sixbard grid-great side
1) Fr unit — box are equally divided wing 1Fr.
2) Repeat function repeat (3, 1fr)

3 Grid - auto-rows: minmax ()

when there are of roug we use this
property

4) Grid-auto-column: ?

minimum 2 maximum Size of the row. grid-auto-rows: min max (100Px;

* Grid Properties 1) Grid container Property (horizontal axis) @ justify-content * center xend * Start * space - evenly * space-around * space-between (vertical axis) (B) align- items * center * end * start * bajeline * Stretch 2) Grid items Property changes width according to content (horizontal) @ jystify - items * center * start * stretch * space of the HOPPRE - WENTY align - content change width according to content (vertically) * space-between * centry * Start * space-ground (verifically) @ align-self * center * start * end (7) allotify-selk * stretch. * center * start * end change width a particular box. (horizontal) g) place-itemy shorthand property m place-self

* Media Queries

Responsiveness css style in every device.

1) "viewport" > The area of the window in which web content can be seen

2) media Queries are used to set different style rules for different devices or sized screen. we use breakpoints to set the condition of a media Querig.

@ media (feature: value)

3) Essentially media Query breakpoint are pixel value that a developer /designer can define in CSS when a responsive website treaches those pixel value a transformation (Such as the one detailed above) occure so that the website offers an optimal year experience.

for Muliple Breakpoint we use and keyboard.

@ media (min-width: 600px) and (max-width: 900px)

· container?

11 rule to change Size;

* Nested Grid

Is simple and can be done simple by using the display: grid rule for both a parent & child element containers grid; aisplay: grid;