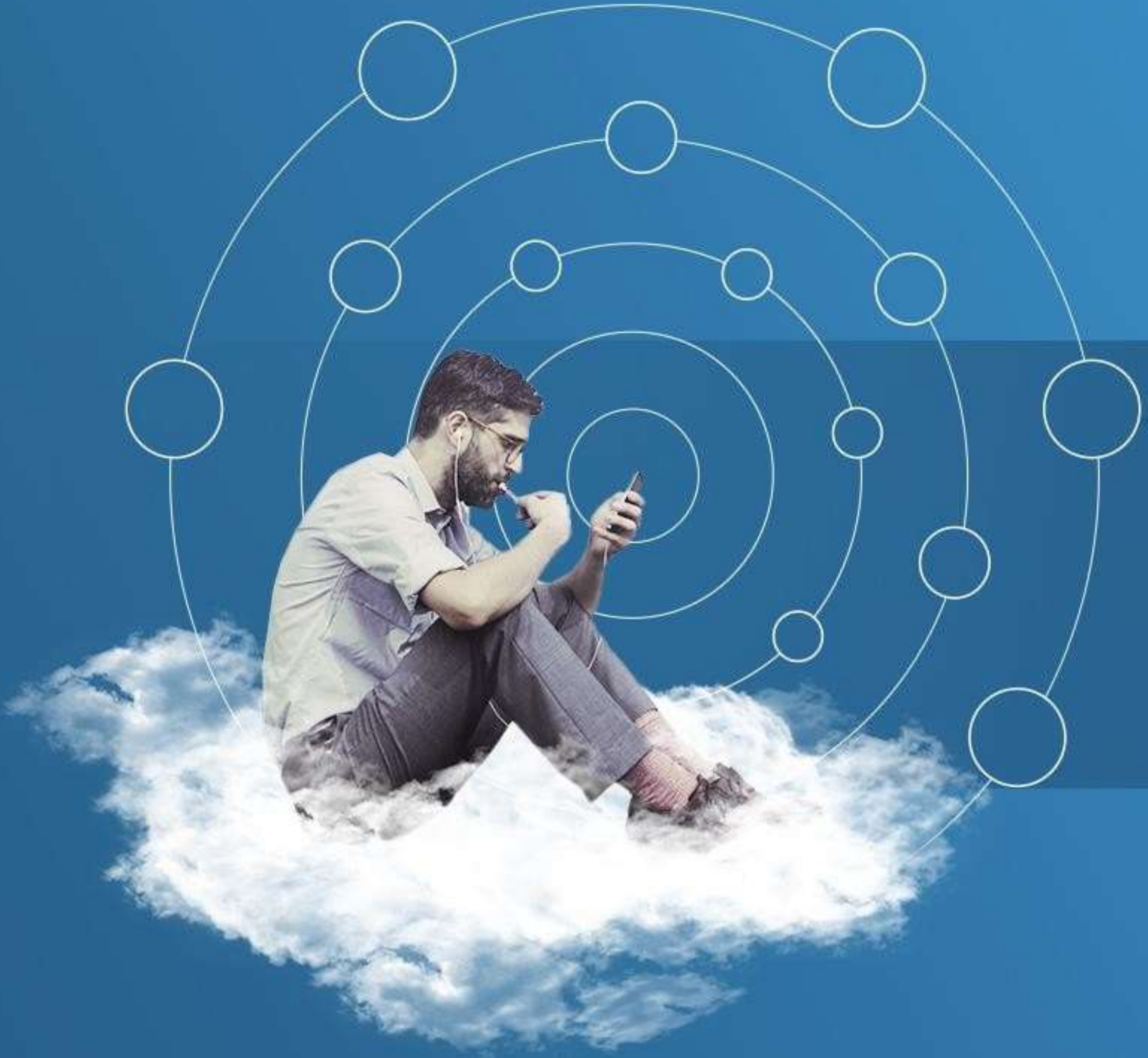


Session : FLEX

FLEX

Definition and Usage:

1. The flex property is a shorthand for three individual properties: flex-grow,flex-shrink and flex-basis.
2. It sets the flexible length on items within a flex container.
3. If an element is not a flexible item, the flex property has no effect.

The initial Values are defined as :

Flex-grow : 0

Flex-shrink : 1

Flex-basis : auto

The shorthand notations of all the three elements are defined as :

Flex : initial | auto | 1

FLEX

The Flex values are defined for (flex : initial):

flex-grow : 0;

flex-shrink : 1;

flex-basis : auto;

The Flex values are defined for (flex : auto):

flex-grow : 1;

flex-shrink : 1;

flex-basis : auto;

The Flex values are defined for (flex : 1):

flex-grow : 1;

flex-shrink : 1;

flex-basis : 0;

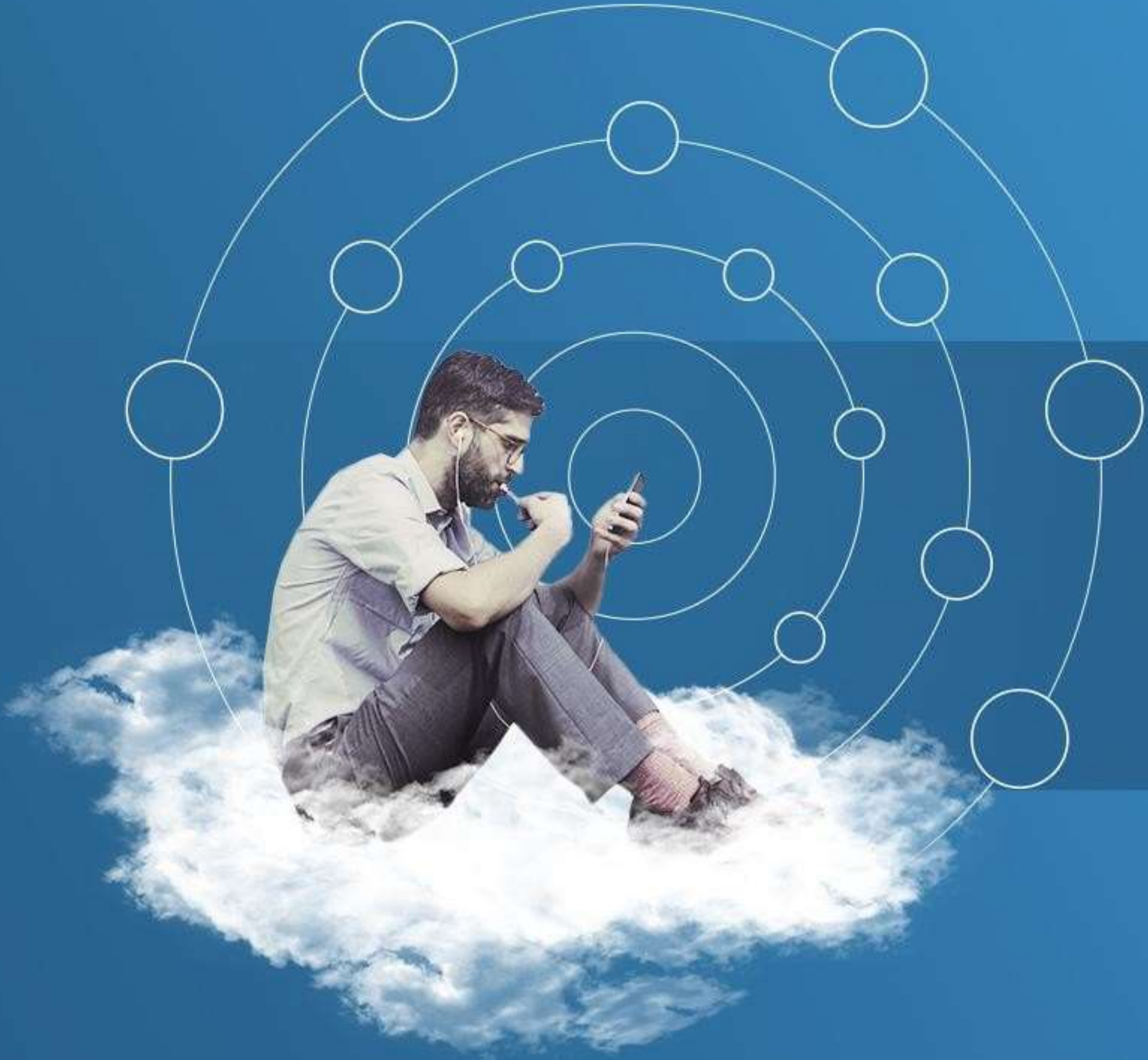
FLEX

Properties:

1. flex-direction: row | column | row-reverse | column-reverse
2. flex-wrap : wrap | nowrap | wrap-reverse
3. flex-flow : wrap row | wrap column | etc,
4. justify-content : left | right | center | space-around

Questions??

Every engineer has a tendency to tinker on a problem, lets answer few of them.



Session : GRID

GRID

CSS Grid Layout is a powerful tool for creating flexible and responsive two-dimensional layouts in web design. Unlike CSS Flexbox, which primarily deals with one-dimensional layouts, CSS Grid allows you to work seamlessly with both columns and rows.

Definition:

1. CSS Grid Layout enables you to divide a web page into major regions or define relationships between parts of a control using HTML primitives.
2. It aligns elements into columns and rows, similar to tables but with more flexibility and control

.Properties:

1. display : grid | inline-grid
2. column-gap : px | %
3. row-gap : px | %
4. gap : px px | % % | px % | % px
5. grid-template-columns : px px px .... | auto auto .... | px auto ....
6. grid-template-rows : px px px .... | auto auto .... | px auto ....

Questions??

Every engineer has a tendency to tinker on a problem, lets answer few of them.

RESPONSIVE BREAKPOINTS

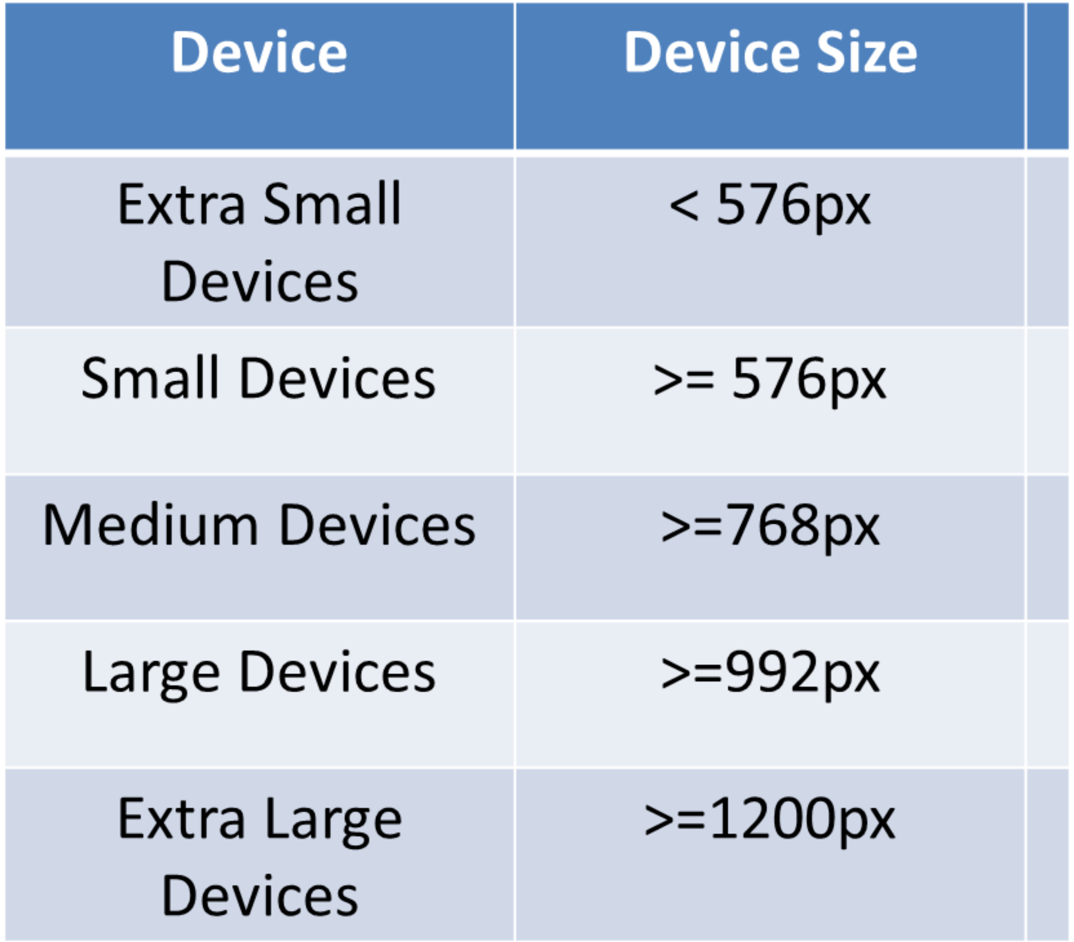
What are Breakpoints ?

Breakpoints are customizable widths that determine how your responsive layout behaves across device or viewport sizes.

Mainly Devices are categorised into 5 types of Responsive Break points. They are :

1. Extra Small Devices
2. Small Devices
3. Medium Devices
4. Large Devices
5. Extra Large Devices

RESPONSIVE BREAKPOINTS



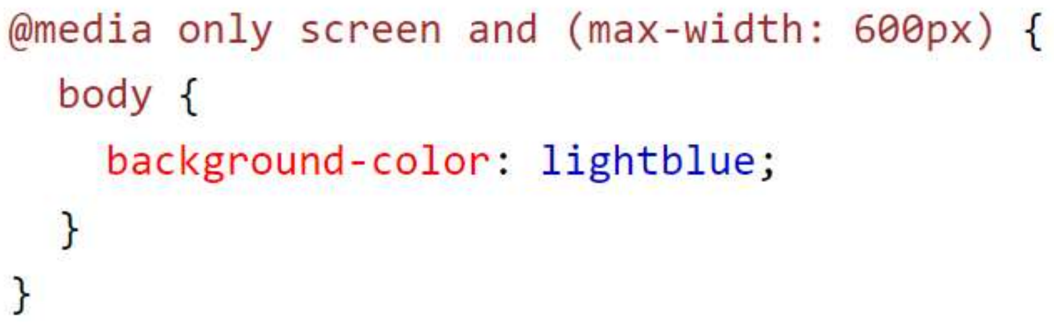
Device	Device Size
Extra Small Devices	< 576px
Small Devices	>= 576px
Medium Devices	>=768px
Large Devices	>=992px
Extra Large Devices	>=1200px

RESPONSIVE BREAKPOINTS

SYNTAX:

```
@media only screen and (max-width : value){
        properties…
}
```

EXAMPLE:



```
@media only screen and (max-width: 600px) {
  body {
    background-color: lightblue;
  }
}
```

Questions??

Every engineer has a tendency to tinker on a problem, lets answer few of them.