**Absolute units properties**

Px

Cm

Mm

Inches

**Relative units properties**

%

Em 2em mean 2 time of parent’s size

Rem

Vh relative to 1% viewport height

Vm relative to 1% viewport width

**Position Properties**

Static by default (top, right, bottom, left, z-index)

Relative relative itself

Absolute relative to parent tag like body tag

Fixed relative to the browser window

Sticky

**Background image Properties**

Background image url()

Background size cover contain auto

Background repeat no-repeat

**Flexbox Properties**

Display: flex

Flex-direction : row(default), row-reserve, column, column-reserve;

Justify-content : flex-start, center, flex-end, space-around, space-between, space-evenly

Flex-wrap : wrap, nowrap, wrap-reserve;

Align-items : alignment along the cross axis.

Align-content: alignment of space between & around the content along the cross axis

**Flex properties for flex items**

Align-self: flex-start, flex-end, center

Flex-shrink: 2;

Flex-grow: 1;

**Media Queries**

@media (width : 600px){

div{ background color : red;

}

}

@media (min-width : 600px){

div{ background color : red;

}

}

@media (min-width : 600px) and (max-width : 800px){

div{ background color : green;

}

}

**CSS States properties**

Hover, active, focus, visited, focus-within, focus-visible, target

div:hover{ color : red; }

div:active{ background-color : red;

**Transitions Properties** (apply is parent div)

Transition-property : all, font-size, width, etc;

Transition-duration : time like 3s;

Transition-timing-function : linear, ease, ease-in, ease-out, ease-in-out,steps(5)

Transition-delay : 1s, 1ms;

**Transition Shortcut**

Property name | duration | timing-function | delay

Transition : font-size 2s ease-in-out 0.2s;

**Transform Properties**

Used to apply 2D & 3D transformation to an element

Transform : rotate(45deg); rotateX, rotateY, rotateZ()

Transform : scale(2) 2 time increase scaleX, scaleY, scaleZ()

Transform : translate(200px, 100px) translateX, translateY, translate()

Transform : skew(90deg) skewX, skewY

**Animation Properties**

to animate css elements % in Animation

@keyframe myname { @keyframe myname {

from { font-size : 30px; } 0% {font-size : 20px; }

to {font-size : 50px; } 50% { font-size : 30px; }

} 100% { font-size : 40px; } }

Animation-name : keyframe name;

Animation-duration : 2s;

Animation-timing-function : ease;

Animation-delay : 1s, 1ms;

Animation-iteration-count : How many times 5, infinite

Animation-direction : normal, reverse, alternate, alternate-reverse;

**Animation Shortcut**

Animation ; myname 2s linear 3s infinite normal;