

CSS Cheatsheet - Developer Shaurya

1. CSS Selectors

```
p { color: blue; } /* element selector */
#id { color: red; } /* id selector */
.class { color: green; } /* class selector */
* { margin: 0; } /* universal selector */
div p { color: purple; } /* descendant */
div > p { color: pink; } /* direct child */
div + p { color: orange; } /* adjacent sibling */
div ~ p { color: teal; } /* general sibling */
input[type="text"] { color: blue; }
a[target="_blank"] { color: red; }
ul li:first-child { font-weight: bold; }
ul li:last-child { font-style: italic; }
ul li:nth-child(2) { color: orange; }
```

2. Colors

```
color: red;
color: #ff0000;
color: rgb(255,0,0);
color: rgba(255,0,0,0.5);
color: hsl(0,100%,50%);
opacity: 0.8;
```

3. Text

```
font-family: Arial, sans-serif;
font-size: 16px;
font-weight: bold;
font-style: italic;
text-align: center;
text-decoration: none;
text-transform: uppercase;
line-height: 1.5;
letter-spacing: 2px;
word-spacing: 5px;
white-space: nowrap;
overflow: hidden;
text-overflow: ellipsis;
```

4. Box Model

```
width: 200px;
height: 100px;
```

```
max-width: 100%;
min-height: 50px;
margin: 10px auto;
padding: 20px;
border: 2px solid black;
border-radius: 10px;
box-shadow: 2px 2px 10px rgba(0,0,0,0.2);
box-sizing: border-box;
```

5. Background

```
background-color: lightblue;
background-image: url("image.jpg");
background-repeat: no-repeat;
background-size: cover;
background-position: center;
background-attachment: fixed;
background-clip: content-box;
background-origin: border-box;
linear-gradient(to right, red, yellow);
radial-gradient(circle, red, yellow, green);
```

6. Display & Positioning

```
display: block;
display: inline;
display: inline-block;
display: none;
visibility: hidden;
position: static;
position: relative;
position: absolute;
position: fixed;
position: sticky;
float: left;
clear: both;
z-index: 100;
overflow: hidden;
overflow-x: auto;
overflow-y: scroll;
```

7. Flexbox

```
display: flex;
flex-direction: row;
flex-direction: column-reverse;
justify-content: center;
justify-content: space-between;
align-items: center;
```

```
align-self: flex-start;
gap: 10px;
flex-wrap: wrap;
flex: 1;
```

8. Grid

```
display: grid;
grid-template-columns: repeat(3, 1fr);
grid-template-rows: auto;
grid-auto-rows: minmax(100px, auto);
gap: 10px;
grid-column: 1 / 3;
grid-row: 1 / 2;
align-items: start;
justify-items: center;
place-items: center;
```

9. Transitions & Animations

```
div {
  transition: all 0.3s ease-in-out;
}
div:hover {
  transform: scale(1.1) rotate(5deg);
}
@keyframes bounce {
  0% { transform: translateY(0); }
  50% { transform: translateY(-20px); }
  100% { transform: translateY(0); }
}
div {
  animation: bounce 1s infinite alternate;
}
animation-delay: 0.5s;
animation-iteration-count: infinite;
animation-timing-function: ease-in-out;
```

10. Common Units

```
px → pixels
% → relative to parent
em → relative to parent font size
rem → relative to root font size
vh/vw → viewport height/width
fr → grid fraction unit
ch → width of "0" character
ex → height of lowercase "x"
vmin/vmax → relative to viewport smallest/largest dimension
```

11. Pseudo-classes & Pseudo-elements

```
a:hover { color: red; }
a:active { color: green; }
a:visited { color: purple; }
p::first-letter { font-size: 24px; }
p::before { content: "■ "; }
p::after { content: " ■"; }
input:focus { border: 2px solid blue; }
input:disabled { background: #ccc; }
:root { --main-color: blue; }
```

12. CSS Variables

```
:root {
  --main-color: #3498db;
  --padding: 10px;
}
div {
  color: var(--main-color);
  padding: var(--padding);
}
```

13. Transformations

```
transform: translate(50px, 100px);
transform: rotate(45deg);
transform: scale(1.5);
transform: skew(20deg, 10deg);
transform-origin: center;
```

14. Filters

```
filter: blur(5px); filter:
brightness(120%); filter:
contrast(150%); filter:
grayscale(100%);
filter: hue-rotate(90deg);
filter: invert(100%);
filter: opacity(50%);
filter: saturate(200%);
filter: sepia(100%);
```