

Level 5



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Transitions

Transitions enable you to define the transition between two states of an element.

- **transition-property** : property you want to transition (font-size, width etc.)
- **transition-duration** : 2s / 4ms ..
- **transition-timing-function** : ease-in / ease-out / linear / steps ..
- **transition-delay** : 2s / 4ms ..

Transition Shorthand

property name | duration | timing-function | delay

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

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CSS Transform

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

- rotate

transform: rotate(45deg);

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CSS Transform

- scale

transform: scale(2);

transform: scale(0.5);

transform: scale(1, 2);

transform: scaleX(0.5);

transform: scaleY(0.5);

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CSS Transform

- translate

transform: translate(20px);

transform: translate(20px, 50px);

transform: translateX(20px);

transform: translateY(20px);

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CSS Transform

- skew

transform: skew (30deg);

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Animation

To animate CSS elements

```
@keyframe myName {  
  from { font-size : 20px; }  
  to { font-size : 40px; }  
}
```

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Animation Properties

- animation-name
- animation-duration
- animation-timing-function
- animation-delay
- animation-iteration-count
- animation-direction

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Animation Shorthand

animation : myName 2s linear 3s infinite normal

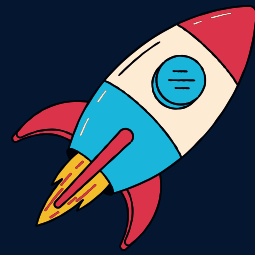
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% in Animation

```
@keyframe myName {  
  0% { font-size : 20px; }  
  50% { font-size : 30px; }  
  100% { font-size : 40px; }  
}
```

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Practice Set 8



Qs: Create a simple loader using CSS

Step1 : create a div with circular shape & a thick border from one end (top/bottom/left/right)

Step2 : To make it spin create an animation which transforms it from 0deg to 360deg

Step3 : Add the animation property to the loader with infinite duration