

Animation

I can add animations to a website.

Start Lesson

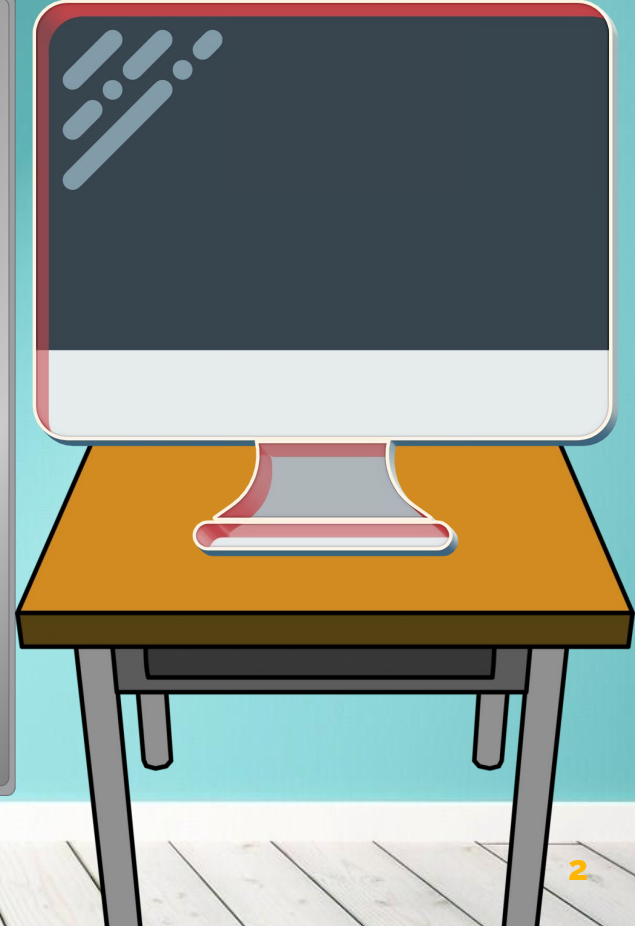
```
</>
```



Starter

Think back to the time we worked with animations during game design. How do animations work? If you don't remember, do a quick google search on "how do animations work."

HDTV





Open Ended Question

Ready? Enter your answer here.

How to Edit

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CSS Animations

Main Ideas:

What are animations?

What is the 2 step process to define an animation in HTML/CSS?

What options do you have for what to do when an animation finishes?

Details:

Type here.

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Animation

W3Schools Animation Try-It-Yourself.

Click Run to see the div animate a color change.

Based on this example, what properties do you think are involved with animations?



Draw It

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Animation

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Steps to Creating an Animation

1. Set up the keyframes to describe how your properties will change over time. Be sure to **name** the keyframes.

```
@keyframes example {  
  from { background-color: red; }  
  to { background-color: yellow; }  
}
```

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Steps to Creating an Animation

2. Find or create a selector for the element being animated. Add an animation-name property and set its value as the keyframes name you created earlier.

```
div {  
  animation-name: example;  
  animation-duration: 4s;  
}
```


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Steps to Creating an Animation

2. ALTERNATE OPTION You can use a shortcut property to specify the animation name and duration at once.

```
div {  
  animation example 4s;  
}
```

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Steps to Creating an Animation

3. Specify whether the animation should end at the stay at the end point (forwards) or go back to the starting point (backwards).

```
div {  
  animation example 4s forwards;  
}
```

Add a 2 second animation for the <div> element, which changes the background color from red to blue. The animation should stay on the last keyframe (forwards). Call the animation "change-color".

```
div {  
  width: 100px;  
  height: 100px;  
  background-color: red;  
  animation: _____  
}  
  
@keyframes _____ {  
  _____ { background-color : red; }  
  _____ { background-color : blue; }  
}
```



Draw It

Add a 2 second animation for the <div> element, which changes the background color from red to blue. The animation should stay on the last keyframe (forwards). Call the animation "change-color".

```
div {  
  width: 100px;  
  height: 100px;  
  background-color: red;  
  animation: _____  
}  
@keyframes _____ {  
  _____ { background-color : red; }  
  _____ { background-color : blue; }
```

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Add a 2 second animation for the <div> element, which changes the background color from red to blue. The animation should stay on the last keyframe (forwards). Call the animation "change-color".

```
div {  
  width: 100px;  
  height: 100px;  
  background-color: red;  
  animation: change-color 2s forwards;  
}  
  
@keyframes change-color {  
  from { background-color : red; }  
  to { background-color : blue; }  
}
```

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30:00

To Do

- ☐ Go to [repl.it teams](https://repl.it/teams) and open the project Spinner.
- ☐ Open style.css
- ☐ Carefully read the comments.
- ☐ Follow the instructions in the comments labeled To Do.
- ☐ Scaffolding: Fill-in-the-blank starter code.
- ☐ Extension: Create an animation from [this list](#).
Comment the portions of the code with animation properties.

CSS Animations

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Exit Ticket

Why do you think web developers use animations?

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Open Ended Question

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