

Alternative: CSS Animations

In this lesson, you will learn how to perform the same animations that we do in JavaScript by using CSS only.

You just learned about the different possibilities that JavaScript offers for animating web pages. Just bear in mind there's another alternative: CSS.

This paragraph barely scratches the surface of CSS animations.

Let's check out how to get a similar effect as the previous example by using CSS instead of JavaScript. Remove any JavaScript code from your example and modify your CSS code as follows.

Output

HTML

CSS (SCSS)

```
#frame {
  border: 1px solid red;
}

#block {
  width: 20px;
  height: 40px;
  background: red;
  position: relative;
  margin-left: -20px; /* Negative margin to simplify position calculations */
  animation-name: moveBlock; /* Name of animation */
  animation-duration: 6s; /* Length of animation */
  animation-fill-mode: forwards; /* Let the block in its final position */
}

@keyframes moveBlock {
  from {
    /* Initial position: to the left of the frame (taking negative margin into account) */
    left: 20px;
  }
  to {
    /* Final position: within the right side of the frame (taking negative margin into account) */
    left: 100%;
  }
}
```

```
}
```



This code defines a CSS animation named `moveBlock()`, which moves the block from the left to the right side of its containing frame. The result is virtually identical to the JavaScript version.