



5:00

password is **student** all lowercase

Do Now

- 1) Log in to Codepen.io
- 2) Go to bit.ly/doNowWhite
- 3) Explore the app. Try to make the whole screen white



JavaScript: Timers

Single Delayed Function call

```
setTimeout(function, milliseconds)
```

- the function will be called one time after waiting the specified number of milliseconds

Repeated Function Calls

```
setInterval(function, milliseconds)
```

- the function will be called repeatedly with a delay between calls
- the specified number of milliseconds is the delay between each successive function call (there are 1000 milliseconds in every second)

Syntax Examples

Imagine we have defined a function named `doStuff()`.

If we want `doStuff()` to be called every 2 seconds, we would use the following code:

```
setInterval(doStuff, 2000);
```

Notice: do not use the parentheses for the function call

Syntax Examples

We can use an anonymous function as well:

```
setTimeout(function() {  
    console.log("Hello World!");  
}, 2000);
```

We've used anonymous functions with jQuery in the past

Syntax Examples

Make the timer a variable (useful for stopping the repeated call)

```
var timer = setInterval(doStuff, 2000);
```

By using a var, you can stop the timer with the following code:

```
clearInterval(timer);
```

Notice: the variable name is passed as an argument

clearInterval Example

- Go to bit.ly/clearIntervalExample and explore the code.
- We often create a boolean condition in an if-statement to decide when to stop a timer from calling a function over and over

Assignment: Birthday Countdown

- In Codepen, create a countdown to Keithley's birthday and your own birthday.
- Use bit.ly/birthdayCountdown for help