

From the inventor:
Welcome!

What is jQuery?

Get ready to learn jQuery

Getting started with
jQueryChallenge: Your first
jQueryNext tutorial
DOM access with jQuery

Challenge: Your first jQuery

Include jQuery

It's time for your first jQuery challenge! Start by adding a `<script>` tag that points at the jQuery JS file that's located at '<https://ajax.googleapis.com/ajax/libs/jquery/2.1.4/jquery.min.js>'. The `<script>` tag should be the final tag in your page, right before the closing `</body>` tag.

Hint [What's this?](#)

```
<script src="...">
</script>
```

[\(Report a problem\)](#)

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Challenge: Your first jQuery</title>
6   </head>
7   <body>
8
9     <h1>Just a normal webpage...</h1>
10
11    <h1>until...</h1>
12
13    <h1>you include jQuery!</h1>
14
15    <script src = "https://ajax.googleapis
16      /2.1.4/jquery.min.js">
17    </script>
18    <script>
19      $("h1").text("J0uerv");
```

All steps
complete!

Undo

Start over



Reload

Spin-off

Step 1/3

Finish challenge!

jQuery

jQuery

jQuery

Congratulations!
You earned 1050
points!

Finding elements with
jQuery

Challenge: Unicorn-ify a
page with jQuery

Debugging webpages with
the browser console

Getting info on elements
with jQuery

Challenge: Famous
discoveries

Review: DOM access with
jQuery

Challenge: Unicorn-ify a page with jQuery

[\(Report a problem\)](#)

Replace the animal names

Hint [What's this?](#)`$(_).text(_)`

Finally, use jQuery to select all of the ``s that have the class name `animal` and change their text to say 'unicorns' instead.

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Challenge: Unicorn-ify a page with jQuery</title>
6   </head>
7   <body>
8
9     <h1 id="page-heading">All About Horses</h1>
10
11    <p>All <span class="animal">horses</span> gallop on 4 legs
12    </p>
13    <p>You can feed carrots to <span class="animal">horses</span>
14    </p>
15    <p>Never walk behind <span class="animal">horses</span>
16    </p>
17  </body>
18 </html>
```

Great job!



Undo

Start
over

Reload

Spin-
off

Step 3/4

Finish
challenge!

Onwards!

All aobut

All unicorns gallop on 4 legs.

You can feed carrots to unicorns.

Never walk behind unicorns.

Their most notable body parts:

- horn
- horn
- horn

Congratulations!
You earned 1500
points!

[About](#)[Documentation](#)[Spin-offs](#)[Share](#)

Challenge: Famous discoveries

[\(Report a problem\)](#)

Did it work?

Are your headings all much more excited now?

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Challenge: Famous discoveries</title>
6   </head>
7   <body>
8
9     <h1>Famous discoveries</h1>
10
11     <h2 id="math-heading">Math discoveries</h2>
12
13     <ul>
14       <li>323-283 BC - Euclid: wrote a series of 13 books on
15         geometry called The Elements</li>
16       <li>Al-Khawarizmi (780-850): wrote the first major treatise
17         on Algebra titled "Al-jabr wal-muqabalah"</li>
18     </ul>
```

Undo

Start over



Reload

Spin-off

Step 4/4

Onwards!

Famous discoveries

Math discoveries...go spurs

- 323-283 BC - Euclid: wrote a series of 13 books on geometry called The Elements
- Al-Khawarizmi (780-850): wrote the first major treatise on Algebra titled "Al-jabr wal-muqabalah"

Science discoveries...kawhi

- 1543 - Copernicus: discovered the heliocentric model of the solar system.
- 1672 - Sir Isaac Newton: discovers that white light is a spectrum of a mixture of distinct coloured rays.

Congratulations!
You earned 1500
points!

[dia.](#)[About](#)[Documentation](#)[Spin-offs](#)[Share](#)

Challenge: The changing caterpillar

[\(Report a problem\)](#)

Change the colors

Finally, use the jQuery `css()` method to add some style to the page - change the color of the heading or paragraph to match the butterfly.

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Challenge: The changing caterpillar</title>
6   </head>
7   <body>
8     <h1>The Caterpillar</h1>
9
10    <p>This is a <strong>caterpillar</strong> in its natural
    habitat:</p>
11    
12    <script src="https://ajax.googleapis.com/ajax/libs/jquery/2
    .1.4/jquery.min.js"></script>
13    <script>
14      $("h1").text("The Butterflv");
```

Undo

Start over



Reload

Spin-off

Step 4/4

Onwards!

The Butterfly

THE SPURS ARE THE BEST



Congratulations!
You earned 1500
points!

[About](#)[Documentation](#)[Spin-offs](#)[Share](#)

Modifying elements with
jQuery

Challenge: The changing
caterpillar

Creating elements with
jQuery

Challenge: Creature
creator

Review: DOM
modification with jQuery

Project: Extreme

Challenge: Creature creator

Show the result

This webpage displays images of two different animals (feel free to change them if you'd like). Use jQuery to create a new paragraph that describes the result of combining those 2 animals - make up a new name for your hybrid animal! Then append that new paragraph to the bottom of the page.

Hint [What's this?](#)

```
var _ = $(_);  
_.text(_);  
_.append(_);
```

[\(Report a problem\)](#)

```
1 <!DOCTYPE html>  
2 <html>  
3   <head>  
4     <meta charset="utf-8">  
5     <title>Challenge: Creature creator</title>  
6     <style>  
7       body {  
8         font-family: sans-serif;  
9       }  
10    .result {  
11      font-size: 20px;  
12      font-weight: bold;  
13      color: blue;  
14    }  
15  </style>  
16 </head>  
17 <body>  
18   <h1>Creature Creator</h1>  
19
```

You did it!



Undo

Start
over



Reload

Spin-
off

Step
1/2

Finish
challenge!

Onwards!

Creature Creator

What happens when you combine these two animals?



You get a sharksneider!

Congratulations!
You earned 2100
points!



Challenge: Creature creator

Add class

Now use jQuery to add the class name 'result' to the paragraph that you just created.

Hint [What's this?](#)

`_.addClass(_);`

[\(Report a problem\)](#)

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Challenge: Creature creator</title>
6     <style>
7       body {
8         font-family: sans-serif;
9       }
10      .result {
11        font-size: 20px;
12        font-weight: bold;
13        color: blue;
14      }
15    </style>
16  </head>
17  <body>
18    <h1>Creature Creator</h1>
19  </body>
```

Undo

Start over



Reload

Spin-off

Step 2/2

Onwards!

Creature Creator

What happens when you combine these two animals?



You get a sharksoider!

Congratulations!
You earned 2100
points!



About

Documentation

Spin-offs

Share

Challenge: Your first jQuery

Josh

Secure

https://www.khanacademy.org/computing/computer-programming/html-js-jquery/jquery-tools-techniques/p/challenge-loopy-language

🔍 ☆ 📄 🔍 📶 ⋮

Apps

[+]

Keep

CSCE 481, Section...

CSCE 470 - Ben Hu

CSCE 465: Comput...

CSCE 465 Security...

CPSC 445: Comput...

Events - CARPOOL...

1 cpsc201731-140-...

>>

Subjects

Search

🔍

Khan Academy

Donate

joshuarao1996

COMPUTER PROGRAMMING > HTML/J5: MAKING WEBPAGES INTERACTIVE WITH JQUERY

jQuery techniques

jQuery Collections vs. DOM Nodes

Practice: Quiz: jQuery variables

Looping through jQuery collections

Challenge: Loopy language

Review: jQuery collections & looping

Chaining jQuery methods

Challenge: Loopy language

Translate the paragraphs

(Report a problem)

This webpage is about Pig Latin, a fun language. You'll use jQuery to translate each of the paragraphs to Pig Latin. Using either a for loop or the each() method, find each paragraph, send its text through the toPigLatin function, and set the paragraph to that text.

reference to Latin is a deliberate misnomer, as it is simply a form of jargon, used only for its English connotations as a strange and foreign-sounding language.</p>11 <p>The origins of Pig Latin are unknown. A youthful Thomas Jefferson wrote letters to friends in Pig Latin.</p>12 <p>For words that begin with consonant sounds, the initial consonant or consonant cluster is moved to the end of the word, and "ay" is added.</p>131415 <script src='https://ajax.googleapis.com/ajax/libs/jquery/2.1.4/jquery.min.js'></script>16 <script>17 // Takes a string and returns Pig Latin version of it18 var toPigLatin = function(str) {19 if (!str.replace) {20 return 'ERROR: Expected a string!';21 }22 return str.replace(/(\b(\w+)\b)/g, '\$2-\$1ay').toLowerCase();

All about Pig Latin

Pig Latin is a language game in which words in English are altered. The objective is to conceal the meaning of the words from others not familiar with the rules. The reference to Latin is a deliberate misnomer, as it is simply a form of jargon, used only for its English connotations as a strange and foreign-sounding language.

The origins of Pig Latin are unknown. A youthful Thomas Jefferson wrote letters to friends in Pig Latin.

For words that begin with consonant sounds, the initial consonant or consonant cluster is moved to the end of the word, and "ay" is added.

Undo

Start over

🤔 Hmm...

🔄 Reload

Step 1/1

Next Step!

All changes saved.

About

Documentation

Challenge: Daisy chain

[\(Report a problem\)](#)

Did it work?

Does your page have a daisy chain on it now? Celebrate by taking a walk and making a real daisy chain!

```
11 - /jquery/2.1.4/jquery.min.js ></script>
12     <script>
13         // You can use the daisy image at:
14         // https://upload.wikimedia.org/wikipedia/commons/2/29
15         /English_Daisy_(Bellis_Perennis).jpg
16         for (var i = 0; i < 5; i++) {
17             $("img")
18                 .attr("src", "https://upload.wikimedia.org/wikipedi
19                 a/commons/2/29/English_Daisy_(Bellis_Perennis).jpg")
20                 .attr("width", "30")
21                 .attr("alt", "daisy")
22                 .appendTo("body")
23         }
24     }
25     </script>
26     </body>
27 </html>
```



Congratulations!
You earned 2100
points!



Undo

Start over



Reload

Spin-off

Step 3/3

Onwards!

[About](#)[Documentation](#)[Spin-offs](#)[Share](#)

COMPUTER PROGRAMMING >
HTML/JS: MAKING WEBPAGES
INTERACTIVE WITH JQUERY

jQuery techniques

Challenge: Loopy language

Review: jQuery collections
& looping

Chaining jQuery methods

Challenge: Daisy chain

Behind the scenes: Browse
the jQuery source code

Next tutorial
DOM events with jQuery

Subjects ▾

Search



Khan Academy

Donate

joshuara01996

COMPUTER PROGRAMMING >
HTML/JS: MAKING WEBPAGES
INTERACTIVE WITH JQUERY

DOM events with jQuery

Adding event listeners
with jQuery

Challenge: Croc Clicker

Using event properties in
jQuery

Challenge: Spot the Dog

What DOM events and
properties are there?Checking DOM readiness
with jQuery

Challenge: Croc Clicker

[\(Report a problem\)](#)

Click it!

Make sure you check that it works by clicking those crocs!

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Challenge: Croc Clicker</title>
6   </head>
7   <body>
8
9     <h1>Challenge: Croc Clicker</h1>
10    
11    <div id="results"></div>
12    <script src="https://ajax
    /2.1.4/jquery.min.js"></script>
13    <script>
14      var numClicks = 0;
15      $("#results").text("You cl
16      $("#croc").on("click", function() {
```

Undo

Start
overSpin-
offStep
2/2Finish
challenge!

Onwards!

All steps
complete!

times");

Challenge: Croc Clicker



You clicked 3 times

Congratulations!
You earned 2100
points!

About

Documentation

Spin-offs

Share

Challenge: Spot the Dog

[\(Report a problem\)](#)

Click the dog

Click around to see how your spot positioning code works. Is your dog a Dalmatian yet? :)

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Challenge: Spot the Dog</title>
6     <style>
7       .dot {
8         border-radius: 10px;
9         background: black;
10        position: absolute;
11        width: 10px;
12        height: 10px;
13      }
14    </style>
15  </head>
16  <body>
17
18    
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Challenge: jQuery trivia quiz</title>
6     <style>
7       #result {
8         background: rgb(255, 246, 204);
9         border: 2px dotted gold;
10        font-size: 24px;
11        height: 60px;
12        margin-top: 10px;
13      }
14    </style>
15  </head>
16  <body>
17
18    <h1>jQuery Quiz</h1>
19
```

jQuery Quiz

Who invented jQuery?

hello there

Congratulations!
You earned 2100
points!

[Undo](#)[Start over](#)[Reload](#)[Spin-off](#)

Step 4/4

[Onwards!](#)

Challenge: Donut Calculator

[\(Report a problem\)](#)

Try it out

Enter a final age for Winston and calculate the results. That's a lot of donuts, aye?

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Challenge: Donut Calculator</title>
6   </head>
7   <body>
8
9     <h1>Donut Calculator</h1>
10
11    <p>Winston eats 3 donuts a day. How many donuts will he eat
    in his lifetime?</p>
12
13    <form id="calculator-form">
14      <label>
15        Winston's final age
16        <input type="number" value="34"/>
17      </label>
18      <button type="submit">Calculate</button>
```

Undo

Start
overSpin-
offStep
2/2Finish
challenge!

Onwards!

Donut Calculator

Winston eats 3 donuts a day. How many donuts will he eat in his lifetime?

Winston's final age:

Winston eats 37230 donuts.

Congratulations!
You earned 2100
points!

[About](#)[Documentation](#)[Spin-offs](#)[Share](#)

Challenge: Sliding Snake

[\(Report a problem\)](#)

Announce the snake

In this step, you'll announce the snake once he's slid down from the top. You can do that by adding two parameters to `slideDown`, an amount to delay and a post-animation callback function. In that callback function, use jQuery to append text to the bottom of the page that announces the snake.

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8">
5     <title>Challenge: Sliding Snake</title>
6     <style>
7       body {
8         background: black;
9         color: green;
10        font-family: Arial, sans-serif;
11      }
12      img {
13        border-radius: 6px;
14      }
15    </style>
16  </head>
17  <body>
18
19    
5     <title>Challenge: Animated Avatar</title>
6     <style>
7       body {
8         background: black;
9         color: rgb(102, 181, 217);
10        font-family: Arial, sans-serif;
11      }
12    </style>
13  </head>
14  <body>
15
16    <div class="avatar">
17      
19      <h1>Aqualine</h1>
```

Undo

Start over



Reload

Spin-off

Step 2/2

Onwards!



About

Documentation

Spin-offs

Share