What is jQuery?

jQuery is a lightweight, "write less, do more", JavaScript library.

The purpose of jQuery is to make it much easier to use JavaScript on your website.

jQuery takes a lot of common tasks that require many lines of JavaScript code to accomplish, and wraps them into methods that you can call with a single line of code.

jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

The jQuery library contains the following features:

* HTML/DOM manipulation
* CSS manipulation
* HTML event methods
* Effects and animations
* AJAX
* Utilities

Why jQuery?

There are lots of other JavaScript libraries out there, but jQuery is probably the most popular, and also the most extendable.

Many of the biggest companies on the Web use jQuery, such as:

* Google
* Microsoft
* IBM
* Netflix

## jQuery Implementation

Adding jQuery to Your Web Pages

There are several ways to start using jQuery on your web site. You can:

* Download the jQuery library from jQuery.com
* Include jQuery from a CDN, like Google

Downloading jQuery

There are two versions of jQuery available for downloading:

* Production version - this is for your live website because it has been minified and compressed
* Development version - this is for testing and development (uncompressed and readable code)

Both versions can be downloaded from [jQuery.com](http://jquery.com/download/).

The jQuery library is a single JavaScript file, and you reference it with the HTML <script> tag (notice that the <script> tag should be inside the <head> section):

<head>

<script src="jquery-3.7.1.min.js"></script>

</head>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Learn jquery</title>

<script src="js/jquery.js"></script>

</head>

<body>

<h1>Yahoo Baba: jquery Implementation</h1>

<script>

$(document).ready(function(){

alert(1);

});

</script>

</body>

</html>

Jquery download link : <https://www.jquery.com/download>

## jQuery Implementation with CDN

### jQuery CDN

If you don't want to download and host jQuery yourself, you can include it from a CDN (Content Delivery Network).

Google is an example of someone who host jQuery:

### Google CDN:

<head>

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js">

</script>

</head>

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Learn jquery</title>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"

integrity="sha256-/xUj+3OJU5yExlq6GSYGSHk7tPXikynS7ogEvDej/m4="

crossorigin="anonymous"></script>

</head>

<body>

<h1>Yahoo Baba: jquery Implementation With CDN</h1>

<script>

$(document).ready(function(){

alert(1);

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-implementation)[Next](https://www.yahubaba.com/jquery/jquery-basic-syntax)

## jQuery Basic Syntax

jQuery Syntax

The jQuery syntax is tailor-made for **selecting** HTML elements and performing some **action** on the element(s).

Basic syntax is: **$(*selector*).*action*()**

* A $ sign to define/access jQuery
* A (*selector*) to "query (or find)" HTML elements
* A jQuery *action*() to be performed on the element(s)

Examples:

$(this).hide() - hides the current element.

$("p").hide() - hides all <p> elements.

$(".test").hide() - hides all elements with class="test".

$("#test").hide() - hides the element with id="test".

The Document Ready Event

You might have noticed that all jQuery methods in our examples, are inside a document ready event:

$(document).ready(function(){

// jQuery methods go here...

});

This is to prevent any jQuery code from running before the document is finished loading (is ready).

It is good practice to wait for the document to be fully loaded and ready before working with it. This also allows you to have your JavaScript code before the body of your document, in the head section.

Here are some examples of actions that can fail if methods are run before the document is fully loaded:

* Trying to hide an element that is not created yet
* Trying to get the size of an image that is not loaded yet

$(function(){

// jQuery methods go here...

});

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn Jquery</title>

<style>

p{ margin: 0; }

h2{ margin: 0 0 5px; }

#test1{

display: inline-block;

background: pink;

width: 150px;

height: 100px;

padding: 10px 10px;

margin: 0 50px 0 0;

}

#test2{

display: inline-block;

background: orange;

width: 150px;

height: 100px;

padding: 10px 10px;

}

</style>

</head>

<body>

<h1>Yahoo Baba: jQuery Syntax</h1>

<div id="test1">

<h2>Test Box 1</h2>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit.</p>

</div>

<div id="test2">

<h2>Test Box 2</h2>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit.</p>

</div>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-1.10.2.min.js"></script>

<script>

$(document).ready(function(){

//console.log("Hello");

var a = $("#test1").html();

console.log(a);

var b = $("#test2").html();

console.log(b);

});

</script>

</body>

</html>

## jQuery Selectors

## **jQuery Selectors**

jQuery selectors allow you to select and manipulate HTML element(s).

jQuery selectors are used to "find" (or select) HTML elements based on their name, id, classes, types, attributes, values of attributes and much more. It's based on the existing CSS Selectors, and in addition, it has some own custom selectors.

All selectors in jQuery start with the dollar sign and parentheses: $().

### The element Selector

The jQuery element selector selects elements based on the element name.

You can select all <p> elements on a page like this:

$("p")

### The #id Selector

The jQuery #id selector uses the id attribute of an HTML tag to find the specific element.

An id should be unique within a page, so you should use the #id selector when you want to find a single, unique element.

To find an element with a specific id, write a hash character, followed by the id of the HTML element:

$("#test")

### The .class Selector

The jQuery .class selector finds elements with a specific class.

To find elements with a specific class, write a period character, followed by the name of the class:

$(".test")

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

#box{

border: 1px solid #000;

padding:10px 10px;

}

</style>

</head>

<body>

<h1>Yahoo Baba: jquery Selectors</h1>

<div id="box" class="test">

<h2>Test Box 2</h2>

<p>Lorem ipsum, dolor sit amet, consectetur adipisicing elit. Nam, repellendus veniam pariatur distinctio voluptas assumenda saepe,Quam!</p>

</div>

<ul id="list">

<li>Orange</li>

<li class="test">Banana</li>

<li>Grapes</li>

<li class="test">Apple</li>

<li>Guava</li>

</ul>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-1.10.2.min.js"></script>

<script>

$(document).ready(function(){

//$("#list").css("color","red");

//$("#list").css("border","2px solid red");

//$("#list li").css("border","2px solid red");

//$(".test").css("border","2px solid red");

//$("\*").css("border","2px solid red");

//$("li:first").css("border","2px solid red");

//$("li:first-child").css("border","2px solid red");

//$("li:last").css("border","2px solid red");

//$("ul li:eq(2)").css("border","2px solid red");

//$("ul li:gt(2)").css("border","2px solid red");

$("ul li:lt(3)").css("border","2px solid red");

});

</script>

</body>

</html>

## jQuery Mouse Events

### What are Events?

All the different visitors' actions that a web page can respond to are called events.

An event represents the precise moment when something happens.

Examples:

* moving a mouse over an element
* selecting a radio button
* clicking on an element

The term **"fires/fired"** is often used with events. Example: "The keypress event is fired, the moment you press a key".

Here are some common DOM events:

|  |  |  |  |
| --- | --- | --- | --- |
| **Mouse Events** | **Keyboard Events** | **Form Events** | **Document/Window Events** |
| click | keypress | submit | load |
| dblclick | keydown | change | resize |
| mouseenter | keyup | focus | scroll |
| mouseleave |  | blur | unload |

## **jQuery Syntax For Event Methods**

In jQuery, most DOM events have an equivalent jQuery method.

To assign a click event to all paragraphs on a page, you can do this:

$("p").click();

The next step is to define what should happen when the event fires. You must pass a function to the event:

$("p").click(function(){

// action goes here!!

});

### Commonly Used jQuery Event Methods

**$(document).ready()**

The $(document).ready() method allows us to execute a function when the document is fully loaded. This event is already explained in the jQuery Syntax chapter.

### click()

The click() method attaches an event handler function to an HTML element.

The function is executed when the user clicks on the HTML element.

### dblclick()

The dblclick() method attaches an event handler function to an HTML element.

### mouseenter()

The mouseenter() method attaches an event handler function to an HTML element.

### mouseleave()

The mouseleave() method attaches an event handler function to an HTML element.

### mousedown()

The mousedown() method attaches an event handler function to an HTML element.

### mouseup()

The mouseup() method attaches an event handler function to an HTML element.

### hover()

The hover() method takes two functions and is a combination of the mouseenter() and mouseleave() methods.

### focus()

The focus() method attaches an event handler function to an HTML form field.

### blur()

The blur() method attaches an event handler function to an HTML form field.

### The on() Method

The on() method attaches one or more event handlers for the selected elements.

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

#box{

border:1px solid #000;

background: pink;

padding: 10px 10px;

}

</style>

</head>

<body>

<h1>Yahoo Baba: jquery Mouse Events</h1>

<div id="box" class="test">

<h2>Test Box</h2>

<p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Earum sint, culpa suscipit sapiente, veritatis debitis quis atque laboriosam commodi voluptate non architecto.</p>

</div>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-1.10.2.min.js"></script>

<script>

/\* jquery click Event\*/

$(document).ready(function(){

$("#box").click(function(){

$("#box").css("background-color","green");

//var a = $("#box").html();

//console.log(a);

});

});

/\* jquery dblclick Event\*/

$("#box").dblclick(function(){

$("#box").css("background-color","orange");

});

/\* jquery contextmenu Event\*/

$("#box").contextmenu(function(){

$("#box").css("background-color","blue");

});

/\* jquery mouseenter Event\*/

$("#box").mouseenter(function(){

$("#box").css("background-color","tan");

});

/\* jquery mouseleave Event\*/

$("#box").mouseleave(function(){

$("#box").css("background-color","purple");

});

</script>

</body>

</html>

## jQuery Keyboard Events

The order of events related to the keyup event:

1. keydown - The key is on its way down
2. keypress - The key is pressed down
3. keyup - The key is released

keyup()

The keyup event occurs when a keyboard key is released.

The keyup() method triggers the keyup event, or attaches a function to run when a keyup event occurs.

Syntax

Trigger the keyup event for the selected elements:

$(selector).keyup()

Attach a function to the keyup event:

$(selector).keyup(function)

keydown()

The keydown event occurs when a keyboard key is pressed down.

The keydown() method triggers the keydown event, or attaches a function to run when a keydown event occurs.

Syntax

Trigger the keydown event for the selected elements:

$(selector).keydown()

Attach a function to the keydown event:

$(selector).keydown(function)

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

#box{

border:1px solid #000;

background: pink;

padding: 10px 10px;

}

</style>

</head>

<body>

<h1>Yahoo Baba: jquery Keyboard Events</h1>

<div id="box" class="test">

<h2>Test Box</h2>

<p>Lorem ipsum, dolor sit amet consectetur adipisicing elit. Earum sint, culpa suscipit sapiente, veritatis debitis quis atque laboriosam commodi voluptate non architecto.</p>

</div>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-1.10.2.min.js"></script>

<script>

$(document).ready(function(){

$("body").keypress(function(){

$(this).css("background-color","orange");

});

$("body").keydown(function(){

$(this).css("background-color","orange");

});

$("body").keyup(function(){

$(this).css("background-color","green");

});

});

</script>

</body>

</html>

## jQuery Form Events

### blur() method

When there is loss of focus on an element, the blur event occurs.

Example of jQuery blur method

$("input,select,textarea").

blur(function () {

//do something

});

### .change() method

When the value of a checkbox, radio button, or textbox is changed, the jQuery change event is triggered.

Example of jQuery change method

$("input,select,textarea").

change(function () {

//do something

});

### .focus() method

The focus() method triggers the focus event, or attaches a function to run when a focus event occurs.

The focus method in jQuery is used for triggering a focus event. In simple words, this method makes the functions to run during the occurrence of a focus event.

Example of jQuery focus method

$("input,select,textarea").

focus(function () {

//do something

});

### .select() method

It only triggers when the text inside the element is highlighted, and it's confined to textboxes and textareas.

Example of jQuery select method

$("input,textarea").

focus(function () {

//do something

});

### .submit() method

When attempting to submit a form, this event is triggered, and it is bound to the form element only.

Example of jQuery submit method

$("form").

focus(function () {

//do something

});

### html file

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

#box{

background: pink;

padding:10px;

border:1px solid #000;

}

</style>

</head>

<body>

<h1>Form Events</h1>

<form action="" id="sform">

<label for="">Name</label><input type="name" id="sname"><br><br>

<label for="">class</label><input type="text" id="sclass"><br><br>

<label for="">Country</label>

<select id="scountry">

<option value="India">India</option>

<option value="Pakistan">Pakistan</option>

<option value="Bangladesh">Bangladesh</option>

<option value="Sri Lanka">Sri Lanka</option>

<option value="Nepal">Nepal</option>

</select><br><br>

<input type="submit">

</form>

<div id="test" style="border:1px solid red;margin-top:20px;"></div>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-1.10.2.min.js"></script>

<script src="js/events.js"></script>

</body>

</html>

### events.js

$(document).ready(function(){

/\* Jquery Form Focus Event \*/

$("#sname,#sclass,#scountry").focus(function(){

$(this).css("background-color","lime");

});

/\* Jquery Form Blur Event \*/

$("#sname,#sclass,#scountry").blur(function(){

$(this).css("background-color",');

});

/\* Jquery Form Change Event \*/

$("#scountry").change(function(){

//$(this).css("background-color","pink");

var a = $(this).val();

$("#test").html(a);

});

/\* Jquery Form Select Event \*/

$("#sname,#sclass").select(function(){

$(this).css("background-color","yellow");

});

/\*Jquery Form submit Event\*/

$("#sform").submit(function(){

alert("Form Submitted");

});

});

## jQuery Window Events

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

#box{

width: 70%;

height:200px;

background: pink;

padding: 10px;

border: 1px solid #000;

overflow: auto;

}

</style>

</head>

<body>

<h1>jquery Window Events</h1>

<div id="box">

<h2>Text Box</h2>

<p>Lorem ipsum dolor sit, amet consectetur, adipisicing elit. Accusantium labore laboriosam at. Delectus, quo. Animi non distinctio dolor ipsum laudantium vitae quia excepturi! Natus vel molestias maxime similique, deserunt, dolorem ratione nam. Ex velit doloribus magnam voluptate ad veniam nisi laborum officiis commodi qui fugiat distinctio quisquam dolor aliquam, iure ducimus sunt molestiae rerum repellat animi facilis, quis. Nihil neque a saepe voluptas dignissimos cumque consectetur facere temporibus impedit assumenda fuga, non officiis quas asperiores ullam aliquid doloremque beatae, reiciendis, quo. Distinctio ut dolor quisquam quo eius doloribus, maiores maxime. Id unde eos maxime aperiam ipsum nobis deserunt ex laboriosam modi ducimus praesentium nostrum error ipsa voluptate culpa laborum, itaque blanditiis accusantium explicabo sunt reprehenderit vero! Molestias officia fugit sunt voluptatem neque blanditiis error ex, doloribus quasi at, minus, corrupti optio quisquam soluta autem quam alias deserunt. Vero repudiandae provident qui quaerat delectus architecto illum, a rem vel, alias tempore modi sit assumenda sint ipsa similique cumque molestiae nesciunt. Rem autem eos expedita, provident sed amet asperiores obcaecati commodi inventore quia reiciendis libero dolor soluta optio? Repellat eos corrupti facilis veniam labore rerum porro officia. Ut vel dolore perferendis sunt rem deserunt architecto culpa. Itaque eum fugit alias illum atque! Enim exercitationem itaque, autem accusamus sapiente perferendis beatae mollitia dolor laborum voluptates saepe placeat provident? Dolorum omnis eos expedita nostrum magni corrupti quisquam. Facilis quidem officia voluptate consequatur fugit! Cupiditate animi saepe ducimus ea, incidunt, impedit hic, et debitis mollitia modi omnis quia reiciendis vitae facilis quos minima corrupti. Necessitatibus veritatis earum voluptate odit qui optio recusandae quas molestias rem quibusdam molestiae incidunt, quod culpa iste provident perferendis modi iusto placeat maiores, delectus vitae. In velit, officiis quibusdam sapiente maxime vero nam. Totam reiciendis hic eum maxime quo iure corrupti illum unde ab tempora? Natus dolorem numquam cupiditate accusantium nobis mollitia perferendis, fugiat deleniti modi culpa sint repudiandae quia quisquam maiores perspiciatis fugit. Nam error hic libero blanditiis in. Quasi autem pariatur eum ad, eveniet, odit assumenda. Quis sit temporibus cumque, perspiciatis enim totam saepe dignissimos illum rerum, voluptates nam obcaecati maxime ullam eos corporis assumenda aspernatur placeat quaerat! Distinctio modi fugiat porro ipsa hic voluptate ea reiciendis aliquam eius unde debitis quisquam quia alias doloribus id tempore, saepe quaerat, soluta! Placeat at laboriosam quas. Quis quos a assumenda eaque quibusdam odit ducimus praesentium. Ut, incidunt ipsa id vitae omnis quas quae iste dolores deleniti cupiditate, cum repellat voluptatem. Odio rem iusto accusamus reprehenderit. Officia nulla aliquid tenetur illo blanditiis? Repellendus officia omnis numquam. Dolore autem repellat possimus voluptas quasi magni fuga quis natus facere perspiciatis, nam, officia excepturi! Natus, illum atque, modi adipisci aliquid ipsam accusamus minus quam nesciunt assumenda labore qui libero ex, expedita, vitae autem. Eaque cum numquam nobis, odio nam in, ea a illo qui nesciunt rem voluptas ut reprehenderit explicabo dolorem ratione. Minus neque consequatur sequi deserunt doloremque voluptatum possimus ducimus atque quas sapiente tempora mollitia nemo eaque nulla, iure numquam? Magni culpa facilis incidunt fuga, blanditiis quasi provident voluptas saepe cupiditate quae delectus dolorem quisquam inventore. Aut quisquam excepturi nam quasi amet suscipit soluta dolor quaerat consequatur. Ducimus, alias sit consequuntur molestiae optio, perferendis possimus mollitia nobis quod deleniti quo sunt necessitatibus iusto ullam dolor quibusdam illo ipsam est! Eaque magni mollitia numquam quasi fugiat deleniti tempora sed nam ut sint eos nihil aperiam cumque, rerum? Aliquam aperiam ab blanditiis nulla neque laudantium voluptas illo, reprehenderit assumenda id libero recusandae optio perspiciatis et vero sunt molestias eius praesentium accusantium aspernatur temporibus expedita! Facere laudantium, deleniti et optio vero voluptates sequi perferendis pariatur tempore corrupti dolore officiis numquam perspiciatis sapiente distinctio in laborum obcaecati porro architecto maiores fuga at illum molestiae. Veritatis temporibus, libero animi maxime eius eum exercitationem, repellat tempora omnis, perferendis iste officiis doloribus! Minima reiciendis sequi, mollitia, ratione inventore dolore reprehenderit provident tempore vitae eligendi corrupti ipsum laboriosam commodi at illum rerum numquam vel accusantium explicabo fugit delectus veritatis quo voluptatem consequuntur quis. Id exercitationem quas sunt blanditiis odio culpa, sequi quibusdam deserunt nemo consequatur velit perferendis unde ipsa odit qui, consequuntur eveniet, perspiciatis magni eaque ratione dolor! Repellendus sit qui praesentium ducimus mollitia, expedita maiores esse sequi id, consectetur, quae maxime illo est. Nisi soluta necessitatibus incidunt sapiente atque fuga ex quos exercitationem consequatur expedita, optio? Doloremque fugit fuga amet, iure est neque ipsa suscipit iusto libero perspiciatis, at repudiandae. Reprehenderit, placeat eius commodi cupiditate explicabo praesentium quasi dicta? Nihil modi itaque animi sit odio cupiditate quam harum, blanditiis dolor ut culpa eaque fugiat sapiente? Tenetur laudantium suscipit dolor tempora porro, minus autem, atque ratione beatae repellendus itaque! Cupiditate culpa reiciendis esse, ipsam quos repellendus aperiam quidem, harum odio autem ea hic consequatur, iure fuga quod suscipit vero placeat rerum veniam laudantium. Placeat pariatur deserunt iste voluptates corrupti expedita possimus exercitationem eum doloremque praesentium. Voluptas repellendus ab quas consequuntur fugit consectetur esse cum quos! Earum, vero, voluptates porro aut molestias temporibus alias natus odio inventore voluptas quaerat dolor tempora, aperiam modi debitis molestiae deleniti assumenda, sunt voluptatem fugit voluptatum ullam corrupti! Laborum est aut ratione, illo obcaecati natus consequuntur ea assumenda minima, iusto earum distinctio, quis ducimus omnis placeat ad? Optio expedita ex facere et fugit vel, a doloremque fuga odit assumenda aspernatur necessitatibus consequatur qui corrupti voluptatum consectetur minima veniam! Aliquid quas fugiat magnam dolor dolorem, error rem at, tempore maiores impedit, molestias voluptates tempora debitis illo sequi voluptate incidunt eveniet vero, asperiores! Tempore neque perspiciatis laboriosam repellendus tenetur sequi porro possimus sed temporibus consequuntur asperiores, pariatur nesciunt accusamus. Error culpa pariatur ratione doloremque quae, molestias praesentium tempora ipsum id, assumenda, asperiores, commodi unde quo cupiditate odit at provident quis atque dolorem! Praesentium perspiciatis dolores molestias sed distinctio expedita et autem quas vitae ea totam incidunt quaerat ratione, eaque ad tenetur dolor accusamus culpa harum asperiores laboriosam. Temporibus et, earum velit perspiciatis ad deserunt, porro officia perferendis quidem excepturi consectetur corrupti, assumenda vel, dolorum eos vitae delectus modi quas tenetur esse doloremque quia! Vero fugit dolore inventore culpa fugiat quos excepturi pariatur quasi doloribus fuga aut, provident velit porro molestias?</p>

</div>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Hic veniam totam laboriosam sapiente reiciendis doloremque nesciunt dolor dicta, nulla magnam tenetur, quo debitis ut, possimus culpa modi ratione sint perspiciatis doloribus delectus eveniet rerum! Libero modi dolores ipsam dicta at laborum dolore numquam architecto sapiente, iusto sed ut deleniti enim consequatur ipsa perspiciatis perferendis temporibus quisquam. Similique odio unde excepturi reiciendis quis vel provident quo culpa consequatur, quos doloribus voluptatum dicta asperiores necessitatibus facere odit magni voluptas nulla quas eum molestias sapiente? Nesciunt distinctio minus ad maxime aspernatur repellat itaque cupiditate dolorum assumenda sit aliquam pariatur debitis, exercitationem, ipsa vitae.</p>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-1.10.2.min.js"></script>

<script src="js/events.js"></script>

</body>

</html>

### events.js

$(document).ready(function(){

/\* Jquery scroll Events \*/

/\*$(window).scroll(function(){

console.log("You are scrolling");

});\*/

$("#box").scroll(function(){

console.log("You are scrolling");

});

/\* Jquery Resize Events \*/

$(window).resize(function(){

console.log("You are resizing Window");

});

/\* Jquery Load Events \*/

$(window).load(function(){

console.log("You are Resizing Window");

});

/\* Jquery Unload Events \*/

$(window).unload(function(){

console.log("You are Resizing Window");

});

});

## jQuery Get Methods

Get Content - text(), html(), and val()

Three simple, but useful, jQuery methods for DOM manipulation are:

* text() - Sets or returns the text content of selected elements
* html() - Sets or returns the content of selected elements (including HTML markup)
* val() - Sets or returns the value of form fields

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

#box{

background: pink;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery Get Methods</h1>

<div id="box" class="test abc">

<h2>Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus. Dolorum tempore facilis asperiores veritatis, cumque velit debitis voluptatibus atque? Dolorum iste, provident ut ullam fuga incidunt quos veritatis. Est ratione magnam id sint ad vero quo architecto distinctio, dignissimos, maiores. Ipsa dicta libero voluptatibus at sed eius.</p>

</div><br>

<h1>jQuery Get Methods</h1>

<form action="" id="sform">

<label for="">Name</label><input type="name" id="sname"><br><br>

<label for="">class</label><input type="text" id="sclass"><br><br>

<label for="">Country</label>

<select id="scountry">

<option value="India">India</option>

<option value="Pakistan">Pakistan</option>

<option value="Bangladesh">Bangladesh</option>

<option value="Sri Lanka">Sri Lanka</option>

<option value="Nepal">Nepal</option>

</select><br><br>

<input type="submit">

</form>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-1.10.2.min.js"></script>

<script>

$(document).ready(function(){

//var a = $("#box").html();

//var a = $("body").html();

//var a = $("#box p").html();

//var a = $("#box").text();

//var a = $("#box").attr("class");

//console.log(a);

$("#sform").submit(function(){

var name = $("#sname").val();

var classname = $("#sclass").val();

var country = $("#scountry").val();

alert("Hello " + name + " class: " +classname + "country : " + country);

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-window-events)[Next](https://www.yahubaba.com/jquery/jquery-set-methods)

## **jQuery Add/Remove Class**

The **addClass()**and **removeClass()**methods are respectively used to add and remove the CSS classes when there is a need to add or remove them from the webpage on the occurrence of an event.

### Syntax****:****

// Adding class using addClass()

$('selector').addClass(class\_name);

// Adding class using removeClass()

$('selector').removeClass(class\_name);

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

</head>

<style>

body{ font-family: arial; }

#box{

padding: 10px;

border: 1px solid #000;

}

.first{ background: tan; }

.second{ background: pink; }

</style>

<body>

<h1>jQuery Class Methods</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div><br>

<button id="addbutton">Add Class</button>

<button id="removebutton">Remove Class</button>

<button id="togglebutton">Toggle Class</button>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery AddClass Method\*/

$("#addbutton").click(function(){

//$("#box").addClass("first second");

$("#box,h1").addClass("first second");

});

/\* jQuery RemoveClass Method\*/

$("#removebutton").click(function(){

$("#box").removeClass("second");

});

/\* jQuery ToggleClass Method\*/

$("#togglebutton").click(function(){

$("#box").toggleClass("second");

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-set-methods)[Next](https://www.yahubaba.com/jquery/jquery-css-method)

## **jQuery CSS Method**

### jQuery css() Method

The css() method sets or returns one or more style properties for the selected elements.

### Return a CSS Property

To return the value of a specified CSS property, use the following syntax:

css("propertyname");

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

</head>

<style>

body{ font-family: arial; }

#box{

padding: 10px;

border: 1px solid #000;

}

</style>

<body>

<h1>jQuery CSS Methods</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div><br>

<button id="stylebutton">Add Style</button>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery CSS Method\*/

$(document).ready(function(){

/\*$("#stylebutton").click(function(){

$("#box").css("background","pink");

});\*/

$("#stylebutton").click(function(){

$("#box").css({"background":"pink","color":"red","border":"5px dotted green"});

});

});

</script>

</body>

</html>

[**Previous**](https://www.yahubaba.com/jquery/jquery-add-remove-class)[**Next**](https://www.yahubaba.com/jquery/jquery-on-off-method)

## **jQuery On & Off Method**

### jQuery on() Method

The on() method attaches one or more event handlers for the selected elements and child elements.

As of jQuery version 1.7, the on() method is the new replacement for the bind(), live() and delegate() methods. This method brings a lot of consistency to the API, and we recommend that you use this method, as it simplifies the jQuery code base.

### Syntax

$(selector).on(event,childSelector,data,function,map)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| event | Required. Specifies one or more event(s) or namespaces to attach to the selected elements.  Multiple event values are separated by space. Must be a valid event |
| childSelector | Optional. Specifies that the event handler should only be attached to the specified child elements (and not the selector itself, like the deprecated delegate() method). |
| data | Optional. Specifies additional data to pass along to the function |
| function | Required. Specifies the function to run when the event occurs |
| map | Specifies an event map ({event:function, event:function, ...}) containing one or more event to attach to the selected elements, and functions to run when the events occur |

### jQuery off() Method

The off() method is most often used to remove event handlers attached with the on() method.

The off() method is the new replacement for the unbind(), die() and undelegate() methods. This method brings a lot of consistency to the API, and we recommend that you use this method, as it simplifies the jQuery code base.

### Syntax

$(selector).off(event,selector,function(eventObj),map)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| event | Required. Specifies one or more events or namespaces to remove from the selected element(s).  Multiple event values are separated by a space. Must be a valid event |
| selector | Optional. A selector which should match the one originally passed to the on() method when attaching event handlers |
| function(eventObj) | Optional. Specifies the function to run when the event occurs |
| map | Specifies an event map ({event:function, event:function, ...}) containing one or more event to attach to the elements, and functions to run when the events occur |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

#box{

padding: 10px;

border: 1px solid #000;

}

.boxbg{ background: pink; }

</style>

</head>

<body>

<h1>jQuery On() Methods</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div><br>

<button>Remove Event</button>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery On Method\*/

$(document).ready(function(){

/\*$("#box").on("click",function(){

$(this).css("background","orange");

});\*/

/\*$("#box").on("mouseover mouseout",function(){

$(this).toggleClass("boxbg");

});\*/

$("#box").on({

"click" : function(){

$(this).css("background","orange");

},

"mouseover" : function(){

$(this).css("background","pink");

},

"mouseout" : function(){

$(this).css("background","lightblue");

}

});

$("button").click(function(){

$("#box").off("mouseover mouseout")

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-css-method)[Next](https://www.yahubaba.com/jquery/jquery-append-prepend)

## **jQuery Append & Prepend**

### jQuery append() Method

The append() method inserts specified content at the end of the selected elements.

### Syntax

$(selector).append(content,function(index,html))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| content | Required. Specifies the content to insert (can contain HTML tags)  Possible values:   * HTML elements * jQuery objects * DOM elements |
| function(index,html) | Optional. Specifies a function that returns the content to insert   * index - Returns the index position of the element in the set * html - Returns the current HTML of the selected element |

### jQuery prepend() Method

The prepend() method inserts specified content at the beginning of the selected elements.

### Syntax

$(selector).prepend(content,function(index,html))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| content | Required. Specifies the content to insert (can contain HTML tags)  Possible values:   * HTML elements * jQuery objects * DOM elements |
| function(index,html) | Optional. Specifies a function that returns the content to insert   * index - Returns the index position of the element in the set * html - Returns the current HTML of the selected element |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery Append & Prepend Methods</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div>

<!-- <ol>

<li>List Item 1</li>

<li>List Item 2</li>

<li>List Item 3</li>

<li>List Item 4</li>

</ol> -->

<br>

<button id="appendBtn">Append</button>

<button id="prependBtn">Prepend</button>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Append & Prepend Method\*/

$(document).ready(function(){

$("#appendBtn").click(function(){

$("#box").append("<h2>Yahoo Baba</h2>");

});

$("#prependBtn").click(function(){

$("#box").prepend("<h3>Yahoo Baba</h3>");

});

/\*$("#appendBtn").click(function(){

$("ol").append("<li>List Item new</li>");

});

$("#prependBtn").click(function(){

$("ol").prepend("<li>New List Item </li>");

});\*/

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-on-off-method)[Next](https://www.yahubaba.com/jquery/jquery-after-before)

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## **jQuery After & Before**

jQuery after() Method

The after() method inserts specified content after the selected elements.

Syntax

$(selector).after(content,function(index))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *content* | Required. Specifies the content to insert (can contain HTML tags)  Possible values:   * HTML elements * jQuery objects * DOM elements |
| function(*index*) | Specifies a function that returns the content to insert   * *index* - Returns the index position of the element in the set |

jQuery before() Method

The before() method inserts specified content in front of (before) the selected elements.

Syntax

$(selector).before(content,function(index))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *content* | Specifies the content to insert (can contain HTML tags)  Possible values:   * HTML elements * jQuery objects * DOM elements |
| function*(index)* | Optional. Specifies a function that returns the content to insert   * *index* - Returns the index position of the element in the set |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery After & Before Methods</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div>

<br>

<button id="afterBtn">After</button>

<button id="beforeBtn">Before</button>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery After & Before Method\*/

$(document).ready(function(){

$("#afterBtn").click(function(){

$("#box").after("<h3> After : Yahoo Baba</h3><p>this is Just text.</p>");

});

$("#beforeBtn").click(function(){

$("#box").before("<h3>Before : Yahoo Baba</h3>");

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-append-prepend)[Next](https://www.yahubaba.com/jquery/jquery-empty-remove)

## jQuery Empty & Remove

### jQuery empty() Method

The empty() method removes all child nodes and content from the selected elements.

### Syntax

$(selector).empty()

### jQuery remove() Method

The remove() method removes the selected elements, including all text and child nodes.

This method also removes data and events of the selected elements.

### Syntax

$(selector).remove(selector)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| selector | Optional. Specifies one or more elements to be removed. To remove multiple elements, separate them with a comma (,) |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery Empty & Remove Methods</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div>

<br>

<button id="emptyBtn">Empty</button>

<button id="removeBtn">Remove</button>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Empty & Remove Method\*/

$(document).ready(function(){

$("#emptyBtn").click(function(){

$("#box h2").empty();

});

$("#removeBtn").click(function(){

$("#box").remove();

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-after-before)[Next](https://www.yahubaba.com/jquery/jquery-appendto-prependto)

## jQuery AppendTo() & PrependTo()

### jQuery appendTo() Method

The appendTo() method inserts HTML elements at the end of the selected elements.

### Syntax

$(content).appendTo(selector)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| content | Required. Specifies the content to insert (must contain HTML tags).  **Note:** If content is an existing element, it will be moved from its current position, and inserted at the end of the selected elements. |
| selector | Required. Specifies on which elements to append the content to |

### jQuery prependTo() Method

The prependTo() method inserts HTML elements at the beginning of the selected elements.

### Syntax

$(content).prependTo(selector)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| content | Required. Specifies the content to insert (must contain HTML tags).  **Note:** If content is an existing element, it will be moved from its current position, and inserted at the beginning of the selected elements. |
| selector | Required. Specifies on which elements to prepend the content to |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery AppendTo & PrependTo Methods</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div>

<br>

<button id="appendBtn">AppendTo</button>

<button id="prependBtn">PrependTo</button>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery AppendTo & PrependTo Method\*/

$(document).ready(function(){

$("#appendBtn").click(function(){

$("<h3>AppendTo : Yahoo Baba</h3>").appendTo("#box");

});

$("#prependBtn").click(function(){

$("<h3>PrependTo : Yahoo Baba</h3><p>this is just text.</p>").prependTo("#box");

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-empty-remove)[Next](https://www.yahubaba.com/jquery/jquery-clone-method)

## jQuery Clone Method

### jQuery clone() Method

The clone() method makes a copy of selected elements, including child nodes, text and attributes.

### Syntax

$(selector).clone(true|false)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| true | Specifies that event handlers also should be copied |
| false | Default. Specifies that event handlers should not be copied |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px;

border: 1px solid #000;

}

#box2{

background: pink;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery Clone() Method</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div>

<br>

<div id="box2">

<p>This is another DIV.</p>

</div><br>

<button id="cloneBtn">Clone</button>

<!-- jquery cdn -->

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Clone() Method\*/

$(document).ready(function(){

$("#cloneBtn").click(function(){

$("#box h2").clone().prependTo("#box2");

$("#box p").clone().appendTo("#box2");

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-appendto-prependto)[Next](https://www.yahubaba.com/jquery/jquery-replace)

## jQuery Replace

jQuery replaceWith() Method

The replaceWith() method replaces selected elements with new content.

Syntax

$(selector).replaceWith(content,function(index))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *content* | Required. Specifies the content to insert (can contain HTML tags)  Possible values:   * HTML elements * jQuery objects * DOM elements |
| function(*index*) | Optional. Specifies a function that returns the content to replace   * *index* - Returns the index position of the element in the set |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery ReplaceWith() & ReplaceAll()</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div>

<br>

<button id="replaceBtn">Replace</button>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery ReplaceWith() & ReplaceAll\*/

$(document).ready(function(){

$("#replaceBtn").click(function(){

$("#box p:first").replaceWith("<h3>Yahoo Baba</h3>");

//$("<h3>Yahoo Baba</h3>").replaceAll("#box p:first");

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-clone-method)[Next](https://www.yahubaba.com/jquery/jquery-wrap-unwrap)

## jQuery Wrap & UnWrap

jQuery wrap() Method

The wrap() method wraps specified HTML element(s) around each selected element.

Syntax

$(selector).wrap(wrappingElement,function(index))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *wrappingElement* | Required. Specifies what HTML element(s) to wrap around each selected element  Possible values:   * HTML elements * jQuery objects * DOM elements |
| function*(index)* | Optional. Specifies a function that returns the wrapping element   * *index* - Returns the index position of the element in the set |

jQuery unwrap() Method

The unwrap() method removes the parent element of the selected elements.

Syntax

$(selector).unwrap()

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px;

border: 1px solid #000;

}

#test{

background: pink;

padding: 5px;

}

</style>

</head>

<body>

<h1>jQuery Wrap() & Unwrap()</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div>

<br>

<button id="wrapBtn">Wrap</button>

<button id="unwrapBtn">Unwrap</button>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Wrap() & Unwrap() \*/

$(document).ready(function(){

$("#wrapBtn").click(function(){

$("#box p").wrap("<div id="test"></div>");

});

$("#unwrapBtn").click(function(){

$("#box p").unwrap();

});

});

</script>

</body>

</html>

## jQuery WrapAll & WrapInner

jQuery wrapAll() Method

The wrapAll() method wraps specified HTML element(s) around all selected elements.

Syntax

$(selector).wrapAll(wrappingElement)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *wrappingElement* | Required. Specifies what HTML element(s) to wrap around the selected elements  Possible values:   * HTML elements * jQuery objects * DOM elements |

jQuery wrapInner() Method

The wrapInner() method wraps specified HTML element(s) around the content (innerHTML) of each selected element.

Syntax

$(selector).wrapInner(wrappingElement,function(index))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *wrappingElement* | Required. Specifies what HTML element(s) to wrap around the content of each selected element  Possible values:   * HTML elements * jQuery objects * DOM elements |
| function*(index)* | Optional. Specifies a function that returns the wrapping element   * *index* - Returns the index position of the element in the set |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#test{

background: pink;

padding: 5px;

}

.red{ color:red; }

</style>

</head>

<body>

<h1>jQuery WrapAll() & wrapInner()</h1>

<p>Lorem ipsum, dolor sit, amet consectetur adipisicing elit. Veritatis consectetur, esse doloremque iusto sequi quia! Omnis tempora fuga dolore aut quae, placeat reprehenderit minus voluptates, impedit nisi totam cupiditate alias.</p>

<p>Lorem ipsum, dolor sit, amet consectetur adipisicing elit. Veritatis consectetur, esse doloremque iusto sequi quia! Omnis tempora fuga dolore aut quae, placeat reprehenderit minus voluptates, impedit nisi totam cupiditate alias.</p>

<br>

<button id="wrapAllBtn">WrapAll</button>

<button id="wrapInnerBtn">WrapInner</button>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery WrapAll() & wrapInner() \*/

$(document).ready(function(){

$("#wrapAllBtn").click(function(){

$("p").wrapAll("<div id="test"></div>");

});

$("#wrapInnerBtn").click(function(){

$("h1").wrapInner("<span class="red"></span>");

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-wrap-unwrap)[Next](https://www.yahubaba.com/jquery/jquery-width-height)

## jQuery Width & Height

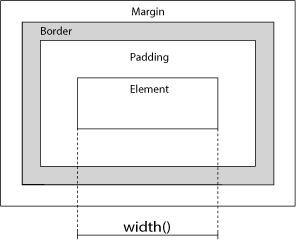
jQuery width() Method

The width() method sets or returns the width of the selected elements.

When this method is used to **return** width, it returns the width of the FIRST matched element.

When this method is used to **set** width, it sets the width of ALL matched elements.

As the image below illustrates, this method does not include padding, border, or margin.



Syntax

Return the width:

$(selector).width()

Set the width:

$(selector).width(value)

Set the width using a function:

$(selector).width(function(index,currentwidth))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *value* | Required for setting width. Specifies the width in px, em, pt, etc. Default unit is px |
| function*(index,currentwidth)* | Optional. Specifies a function that returns the new width of selected elements   * *index* - Returns the index position of the element in the set * *currentwidth* - Returns the current width of the selected element |

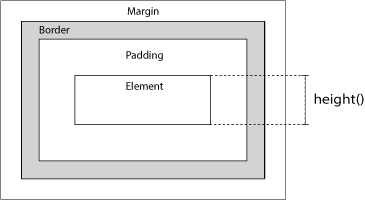
jQuery height() Method

The height() method sets or returns the height of the selected elements.

When this method is used to **return** height, it returns the height of the FIRST matched element.

When this method is used to **set** height, it sets the height of ALL matched elements.

As the image below illustrates, this method does not include padding, border, or margin.



Syntax

Return the height:

$(selector).height()

Set the height:

$(selector).height(value)

Set the height using a function:

$(selector).height(function(index,currentheight))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *value* | Required for setting height. Specifies the height in px, em, pt, etc. Default unit is px |
| function*(index,currentheight)* | Optional. Specifies a function that returns the new height of selected elements   * *index* - Returns the index position of the element in the set * *currentheight* - Returns the current height of the selected element |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 30px 30px;

border: 10px solid #000;

}

</style>

</head>

<body>

<h1>jQuery Width & Height Methods</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem, ipsum dolor sit amet consectetur, adipisicing elit. Voluptates, similique quasi. Commodi molestias tempore impedit, quos cumque harum, ad quibusdam fugiat! Earum excepturi assumenda, libero dolores expedita, aliquid provident saepe?</p>

</div>

<br>

<button id="widthBtn">Width</button>

<button id="heightBtn">Height</button>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Width & Height Method\*/

$(document).ready(function(){

$("#widthBtn").click(function(){

$("#box").width("400px");

console.clear();

console.log("Width : " + $("#box").width());

console.log("InnerWidth : " + $("#box").innerWidth());

console.log("OuterWidth : " + $("#box").outerWidth());

console.log("OuterWidth(true) : " + $("#box").outerWidth());

});

$("#heightBtn").click(function(){

$("#box").height("500px");

console.clear();

console.log("Height : " + $("#box").height());

console.log("InnerHeight : " + $("#box").innerHeight());

console.log("OuterHeight : " + $("#box").outerHeight());

console.log("OuterHeight(true) : " + $("#box").outerHeight());

});

});

</script>

</body>

</html>

## jQuery Position & Offset

jQuery position() Method

The position() method returns the position (relative to its parent element) of the first matched element.

This method returns an object with 2 properties; the top and left positions in pixels.

Syntax

$(selector).position()

jQuery offset() Method

The offset() method set or returns the offset coordinates for the selected elements, relative to the document.

**When used to return the offset:**  
This method returns the offset coordinates of the FIRST matched element. It returns an object with 2 properties; the top and left positions in pixels.

**When used to set the offset:**  
This method sets the offset coordinates of ALL matched elements.

Syntax

Return the offset coordinates:

$(selector).offset()

Set the offset coordinates:

$(selector).offset({top:value,left:value})

Set offset coordinates using a function:

$(selector).offset(function(index,currentoffset))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| {top:*value*,left:*value*} | Required when setting the offset. Specifies the top and left coordinates in pixels.  Possible values:   * Name/Value pairs, like {top:100,left:100} * An object with top and left properties (example) |
| function(*index,currentoffset*) | Optional. Specifies a function that returns an object containing the top and left coordinates   * *index* - Returns the index position of the element in the set * *currentoffset* - Returns the current coordinates of the selected element |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px 30px;

border: 1px solid #000;

position:relative;

}

</style>

</head>

<body>

<h1>jQuery Offset & Position Method</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum <span>dolor, sit amet</span>, consectetur adipisicing elit. Aperiam, obcaecati quod nisi ipsum velit blanditiis eum facere consequatur iste iure numquam odit rem repellat laudantium tenetur ad eaque, dolore aliquid.</p>

</div>

<br>

<button id="positionBtn">Position</button>

<button id="offsetBtn">Offset</button>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Offset & Position Method\*/

$(document).ready(function(){

$("#positionBtn").click(function(){

//console.log($("#box h2").position());

var x = $("#box h2").position();

console.log("TOP : " + x.top + " left : " + x.left);

});

$("#offsetBtn").click(function(){

//console.log($("#box h2").offset());

//var x = $("#box h2").offset();

//console.log("TOP : " + x.top + " left : " + x.left);

$("#box h2").offset({top:100,left:100});

});

});

</script>

</body>

</html>

## jQuery scroll Method

### jQuery scroll() Method

The scroll event occurs when the user scrolls in the specified element.

The scroll event works for all scrollable elements and the window object (browser window).

The scroll() method triggers the scroll event, or attaches a function to run when a scroll event occurs.

### Syntax

Trigger the scroll event for the selected elements:

$(selector).scroll()

Attach a function to the scroll event:

$(selector).scroll(function)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| function | Optional. Specifies the function to run when the scroll event is triggered |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

width: 230px;

height: 80px;

background: lightgreen;

padding: 10px;

border: 1px solid #000;

position: fixed;

left: 20px;

bottom: 30px;

}

</style>

</head>

<body style="width: 600px">

<h1>jQuery scrollTop & scrollLeft Method</h1>

<button id="scrolltopBtn">scrollTop</button>

<button id="scrollleftBtn">scrollLeft</button>

<br><br>

<p>Lorem, ipsum dolor sit amet, consectetur adipisicing elit. Amet, nam, non! Numquam quas, sint cupiditate consectetur quam inventore odio hic harum placeat vitae error, suscipit quis minus aspernatur sunt distinctio, iusto eaque explicabo nobis ab laborum quos incidunt deserunt? Illo, nemo. Labore mollitia quasi nam ipsam odit, perferendis, nihil debitis iure facere, dolorum, quae eius esse expedita. Magni, nobis. Maxime corrupti mollitia sed beatae dicta aliquid eveniet consequuntur! Ex eos, non laudantium at ut mollitia error sunt voluptas debitis, earum, ab dolorum commodi? Repellendus nulla, debitis tempora illum tempore placeat autem cupiditate nostrum ipsam doloremque officiis aliquid architecto consequatur soluta blanditiis in error, nisi qui est explicabo nam inventore molestias. Fugiat deserunt non, dolore mollitia numquam distinctio sequi expedita exercitationem illo beatae minima blanditiis pariatur ex illum cum, quis doloremque aspernatur dolores voluptatem recusandae adipisci, dolor. Incidunt aliquid dolore at nisi odio aliquam enim labore repellat id ipsa eveniet adipisci dignissimos iure doloremque dolor, ex ea quos consectetur vero. Tempora adipisci asperiores quidem omnis ea architecto animi repellat, modi, tempore laborum illum ab, consequatur reiciendis aliquam distinctio odit provident rerum perspiciatis sequi, facilis similique sint? Architecto, obcaecati? Accusamus aperiam quam illo velit eveniet consequuntur rem praesentium ipsam in repudiandae, soluta excepturi laudantium libero. Quos, eius consequatur unde temporibus fuga eos ipsa sint quaerat nihil voluptate et esse similique reiciendis excepturi, reprehenderit quisquam illo commodi fugit earum, nam rem quae id repudiandae! Ipsa sit in, earum maiores iusto illo nihil quos quibusdam. Consectetur repudiandae amet praesentium itaque et saepe repellendus voluptate exercitationem, maiores eius asperiores eligendi aspernatur. Maxime illo sequi perferendis! Similique exercitationem eius nobis non harum dolor veniam voluptatem labore, ratione nam. Quasi temporibus aperiam consectetur voluptatem facere et illum quidem dicta veniam repellat nam nulla consequuntur esse quo pariatur, enim reprehenderit animi officia, totam accusantium voluptate cum ea amet facilis! Possimus debitis aperiam incidunt sunt quae temporibus. Ad aspernatur id illum tempora corporis quae possimus enim, illo praesentium quod a numquam mollitia alias sint quam, neque ipsa, qui est quo officiis iste. Numquam corrupti amet praesentium nam et ipsa repudiandae cupiditate pariatur alias, eos aperiam quisquam cumque ullam odit exercitationem totam doloribus tempore. Tenetur ad doloribus necessitatibus magni reprehenderit deserunt vero vitae, in facilis iure voluptate maiores soluta blanditiis fuga temporibus perspiciatis dolorum odit, aspernatur aliquid quibusdam. Dolor laborum ad praesentium voluptatem mollitia eaque hic delectus, molestias nobis, nostrum magni placeat fugit quis eum sequi ipsum neque iste nisi voluptatum quam, quos! Provident odit earum sed adipisci aliquid, voluptates ex aliquam accusantium? Est nemo temporibus quasi, non esse numquam harum dolorem suscipit nihil illo maiores error laboriosam repellat dolores illum quos consequatur. Facere ratione cupiditate corporis voluptate fugit quis tempora asperiores voluptates a quisquam, doloribus sequi ducimus consequatur, doloremque deserunt. Voluptate quas, ipsa, asperiores blanditiis eius autem dolorum debitis odit excepturi, cumque harum quibusdam sapiente, voluptas repellendus nesciunt nostrum. Debitis aut officia, facere odio, rerum, consectetur facilis vel repellendus ut velit temporibus, vero laborum deleniti saepe. Deserunt laboriosam est veniam. Sit accusamus, atque officia impedit earum, dolorem non ad nesciunt velit, laudantium suscipit dignissimos blanditiis ipsum omnis et commodi voluptate ea laborum alias tempora adipisci reiciendis. Ratione earum provident magni, veniam? Eum corporis facere distinctio maiores quis harum, quidem quae, sunt voluptatibus delectus eligendi modi est nisi assumenda nihil aliquid inventore optio illo. Molestiae, enim obcaecati sequi neque, vel debitis animi nobis laudantium suscipit at maiores. Adipisci accusamus recusandae perferendis amet! Nostrum dolorem quis sint asperiores ipsam deleniti, quos quibusdam itaque adipisci suscipit repudiandae. Quaerat sed enim ipsam nam minima animi numquam dicta impedit quisquam quia molestias ipsa nisi, neque vitae exercitationem cupiditate, consequuntur ratione tenetur amet blanditiis earum cumque est, pariatur totam. Rerum doloribus, amet accusamus hic voluptatibus blanditiis distinctio iure dolorem placeat iste alias itaque rem facilis officiis corporis error fugiat mollitia cupiditate est atque veritatis iusto, facere deserunt numquam corrupti. Fuga blanditiis molestiae in incidunt sapiente qui, sunt numquam eos sint quod dicta quidem vel voluptates fugit debitis, aliquid commodi quisquam minima pariatur nemo. Veritatis autem, nesciunt quo quam exercitationem voluptatum! Natus, voluptas necessitatibus ipsum adipisci, alias, dolores illum a veniam pariatur ducimus quo ipsam omnis totam quisquam numquam deleniti labore nisi, quam facilis! Maiores, veniam quae reiciendis non voluptatem odit minima, aut neque harum veritatis dicta perspiciatis aliquam magni sint? Doloribus facere nesciunt tempore, quia velit voluptate nobis vero reprehenderit dolorum dolor vitae nulla praesentium aperiam culpa minus nisi sed natus dolore voluptates veniam obcaecati. Cum illo impedit, dignissimos obcaecati temporibus optio neque ipsam quo porro, amet pariatur fugiat tenetur odio alias facere, fuga quam hic aliquid placeat. Sapiente atque officiis esse voluptatem, quam ipsa amet ipsam et aliquid obcaecati expedita, commodi voluptates perferendis doloremque assumenda. A fugit ad iure pariatur esse sint cumque molestias, porro modi impedit. Nesciunt vitae illo praesentium assumenda quas illum, sunt perferendis modi repellat quasi porro. Fuga sed exercitationem, porro, illum tenetur voluptatibus laborum doloremque saepe repellendus nisi eveniet dolore odio fugit ipsum! Autem, dolores, soluta aliquid veritatis perferendis quod? Sed, placeat impedit, quo ducimus ullam eum asperiores, voluptates quidem qui molestiae assumenda libero culpa fugit. Dolor, ratione excepturi eius! Corrupti neque, corporis quia incidunt maiores eos deleniti atque tempora voluptate deserunt molestias magnam. Nostrum, doloremque, minus. Veritatis officia culpa perferendis dolor odio odit maiores libero praesentium recusandae dolorum, sunt laborum esse non quia, perspiciatis facere excepturi consequatur totam. Voluptas, nesciunt, ullam delectus temporibus sint nam cumque tempore tempora aliquam expedita, voluptate laboriosam mollitia quaerat alias placeat non molestias dolor! Molestiae assumenda dolorem quae labore quis nulla distinctio praesentium odio, possimus adipisci incidunt quisquam. Similique reprehenderit doloribus quidem tenetur optio suscipit, numquam magnam dolores impedit soluta consequatur quam architecto! Ad alias laborum cumque aliquam recusandae maiores eum exercitationem, assumenda nesciunt placeat impedit aperiam quasi natus ab voluptatum quae sunt? Iure, reprehenderit! Libero doloribus nulla similique vel, atque, perferendis deleniti voluptatum adipisci ad obcaecati tempore laudantium veniam, ab molestiae culpa mollitia enim voluptate tempora veritatis consequuntur soluta provident. Atque, porro, minus ab tenetur consectetur aperiam, necessitatibus suscipit, tempora sapiente reiciendis itaque quibusdam aliquam repudiandae ea assumenda labore. Laborum, itaque totam maiores.</p>

<div id="box"></div>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery scrollTop & scrollLeft Method\*/

$(document).ready(function(){

//console.log($(window).scrollTop());

//console.log($(window).scrollLeft());

$(window).scroll(function(){

$("#box").html("");

$("#box").append("Top : " + $(window).scrollTop());

$("#box").append("<br>Left : " + $(window).scrollLeft());

});

$("#scrolltopBtn").click(function(){

$(window).scrollTop(200);

});

$("#scrollleftBtn").click(function(){

$(window).scrollLeft(100);

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-position-offset)[Next](https://www.yahubaba.com/jquery/jquery-hasclass-method)

## jQuery hasClass Method

### jQuery hasClass() Method

The hasClass() method checks if any of the selected elements have a specified class name.

If ANY of the selected elements has the specified class name, this method will return "true".

### Syntax

$(selector).hasClass(classname)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| classname | Required. Specifies the class name to search for in the selected elements |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery hasClass Method</h1>

<div id="box" class="">

<h2 class="test">Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div>

<br>

<button id="hasClassBtn">hasClass</button>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery hasClass Method\*/

$(document).ready(function(){

$("#hasClassBtn").click(function(){

//console.log($("#box h2").hasClass("test"));

var x = $("#box h2").hasClass("test");

if(x == true){

console.log("Yes");

}else{

console.log("No");

}

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-scroll-method)[Next](https://www.yahubaba.com/jquery/jquery-hide-show-toggle)

## jQuery Hide Show & Toggle

jQuery hide() Method

The hide() method hides the selected elements.

Syntax

$(selector).hide(speed,easing,callback)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *speed* | Optional. Specifies the speed of the hide effect. Default value is 400 milliseconds  Possible values:   * milliseconds * "slow" * "fast" |
| *easing* | Optional. Specifies the speed of the element in different points of the animation. Default value is "swing"  Possible values:   * "swing" - moves slower at the beginning/end, but faster in the middle * "linear" - moves in a constant speed   **Tip:** More easing functions are available in external plugins |
| *callback* | Optional. A function to be executed after the hide() method is completed |

jQuery show() Method

The show() method shows the hidden, selected elements.

Syntax

$(selector).show(speed,easing,callback)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *speed* | Optional. Specifies the speed of the show effect. Default value is 400 milliseconds  Possible values:   * milliseconds * "slow" * "fast" |
| *easing* | Optional. Specifies the speed of the element in different points of the animation. Default value is "swing"  Possible values:   * "swing" - moves slower at the beginning/end, but faster in the middle * "linear" - moves in a constant speed   **Tip:** More easing functions are available in external plugins |
| *callback* | Optional. A function to be executed after the show() method is completed |

jQuery toggle() Method

The toggle() method toggles between hide() and show() for the selected elements.  
  
This method checks the selected elements for visibility. show() is run if an element is hidden. hide() is run if an element is visible - This creates a toggle effect.

Syntax

$(selector).toggle(speed,easing,callback)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *speed* | Optional. Specifies the speed of the hide/show effect  Possible values:   * milliseconds * "slow" * "fast" |
| *easing* | Optional. Specifies the speed of the element in different points of the animation. Default value is "swing"  Possible values:   * "swing" - moves slower at the beginning/end, but faster in the middle * "linear" - moves in a constant speed   **Tip:** More easing functions are available in external plugins |
| *callback* | Optional. A function to be executed after the toggle() method is completed |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery hide & show Method</h1>

<div id="box">

<h2 class="test">Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div>

<br>

<button id="hideBtn">Hide</button>

<button id="showBtn">Show</button>

<button id="toggleBtn">Toggle</button>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery hide & show Method\*/

$(document).ready(function(){

$("#hideBtn").click(function(){

$("#box").hide(3000,function(){

console.log("Now it is hidden")

});

});

$("#showBtn").click(function(){

$("#box").show(3000,function(){

console.log("Now it is show")

});

});

$("#toggleBtn").click(function(){

$("#box").toggle(1000,function(){

console.log("Hey Toggle");

});

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-hasclass-method)[Next](https://www.yahubaba.com/jquery/jquery-fade)

## jQuery fade

FadeIn()

The fadeIn() method gradually changes the opacity, for selected elements, from hidden to visible (fading effect).

Syntax

$(selector).fadeIn(speed,easing,callback)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *speed* | Optional. Specifies the speed of the fading effect. Default value is 400 milliseconds  Possible values:   * milliseconds * "slow" * "fast" |
| *easing* | Optional. Specifies the speed of the element in different points of the animation. Default value is "swing"  Possible values:   * "swing" - moves slower at the beginning/end, but faster in the middle * "linear" - moves in a constant speed   **Tip:** More easing functions are available in external plugins |
| *callback* | Optional. A function to be executed after the fadeIn() method is completed |

.

FadeOut()

The fadeOut() method gradually changes the opacity, for selected elements, from visible to hidden (fading effect).

Syntax

$(selector).fadeOut(speed,easing,callback)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *speed* | Optional. Specifies the speed of the fading effect. Default value is 400 milliseconds  Possible values:   * milliseconds * "slow" * "fast" |
| *easing* | Optional. Specifies the speed of the element in different points of the animation. Default value is "swing"  Possible values:   * "swing" - moves slower at the beginning/end, but faster in the middle * "linear" - moves in a constant speed   **Tip:** More easing functions are available in external plugins |
| *callback* | Optional. A function to be executed after the fadeOut() method is completed |

FadeTo()

The fadeTo() method gradually changes the opacity, for selected elements, to a specified opacity (fading effect).

Syntax

$(selector).fadeTo(speed,opacity,easing,callback)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *speed* | Required. Specifies the speed of the fading effect.  Possible values:   * milliseconds * "slow" * "fast" |
| *opacity* | Required. Specifies the opacity to fade to. Must be a number between 0.00 and 1.00 |
| *easing* | Optional. Specifies the speed of the element in different points of the animation. Default value is "swing"  Possible values:   * "swing" - moves slower at the beginning/end, but faster in the middle * "linear" - moves in a constant speed   **Tip:** More easing functions are available in external plugins |
| *callback* | Optional. A function to be executed after the fadeTo() method is completed |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery fadeIn & fadeOut Method</h1>

<div id="box">

<h2 class="test">Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div>

<br>

<button id="fadeOutBtn">fadeOut</button>

<button id="fadeInBtn">fadeIn</button>

<button id="fadeToggleBtn">fadeToggle</button>

<button id="fadeToBtn">fadeTo</button>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery fadeOut & fadeIn Method\*/

$(document).ready(function(){

$("#fadeOutBtn").click(function(){

$("#box").fadeOut(3000,function(){

console.log("Now it is Hidden")

});

});

$("#fadeInBtn").click(function(){

$("#box").show(3000,function(){

console.log("Now it is Show")

});

});

$("#fadeToggleBtn").click(function(){

$("#box").fadeToggle(2000,function(){

console.log("Now it is Show");

});

});

$("#fadeToBtn").click(function(){

$("#box").fadeTo(2000,0.5,function(){

console.log("Now it is Show");

});

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-hide-show-toggle)[Next](https://www.yahubaba.com/jquery/jquery-slide)

## jQuery slide

slideUp()

The slideUp() method slides-up (hides) the selected elements.

Syntax

$(selector).slideUp(speed,easing,callback)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *speed* | Optional. Specifies the speed of the slide effect. Default value is 400 milliseconds  Possible values:   * milliseconds * "slow" * "fast" |
| *easing* | Optional. Specifies the speed of the element in different points of the animation. Default value is "swing"  Possible values:   * "swing" - moves slower at the beginning/end, but faster in the middle * "linear" - moves in a constant speed   **Tip:** More easing functions are available in external plugins |
| *callback* | Optional. A function to be executed after the slideUp() method is completed |

slideDown()

The slideDown() method slides-down (shows) the selected elements.

Syntax

$(selector).slideDown(speed,easing,callback)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *speed* | Optional. Specifies the speed of the slide effect. Default value is 400 milliseconds  Possible values:   * milliseconds * "slow" * "fast" |
| *easing* | Optional. Specifies the speed of the element in different points of the animation. Default value is "swing"  Possible values:   * "swing" - moves slower at the beginning/end, but faster in the middle * "linear" - moves in a constant speed   **Tip:** More easing functions are available in external plugins. |
| *callback* | Optional. A function to be executed after the slideDown() method is completed |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery slideDown & slideUp Method</h1>

<div id="box">

<h2 class="test">Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div>

<br>

<button id="slideUpBtn">slideUp</button>

<button id="slideDownBtn">slideDown</button>

<button id="slideToggleBtn">slideToggle</button>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery slideUp & slideDown Method\*/

$(document).ready(function(){

$("#slideUpBtn").click(function(){

$("#box").slideUp(3000,function(){

console.log("Now it is Hidden")

});

});

$("#slideDownBtn").click(function(){

$("#box").slideDown(3000,function(){

console.log("Now it is Show")

});

});

$("#slideToggleBtn").click(function(){

$("#box").slideToggle(1000,function(){

console.log("Hey Toggle Slide")

});

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-fade)[Next](https://www.yahubaba.com/jquery/jquery-animate-method)

## jQuery Animate Method

animate()

The animate() method performs a custom animation of a set of CSS properties.

This method changes an element from one state to another with CSS styles. The CSS property value is changed gradually, to create an animated effect.

Only numeric values can be animated (like "margin:30px"). String values cannot be animated (like "background-color:red"), except for the strings "show", "hide" and "toggle". These values allow hiding and showing the animated element.

Syntax

(selector).animate({styles},speed,easing,callback)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *styles* | Required. Specifies one or more CSS properties/values to animate.  **Note:** The property names must be camel-cased when used with the animate() method: You will need to write paddingLeft instead of padding-left, marginRight instead of margin-right, and so on.  Properties that can be animated:   * backgroundPositionX * backgroundPositionY * borderWidth * borderBottomWidth * borderLeftWidth * borderRightWidth * borderTopWidth * borderSpacing * margin * marginBottom * marginLeft * marginRight * marginTop * opacity * outlineWidth * padding * paddingBottom * paddingLeft * paddingRight * paddingTop * height * width * maxHeight * maxWidth * minHeight * minWidth * fontSize * bottom * left * right * top * letterSpacing * wordSpacing * lineHeight * textIndent   Only numeric values can be animated (like "margin:30px"). String values cannot be animated (like "background-color:red"), except for the strings "show", "hide" and "toggle". These values allow hiding and showing the animated element. |
| *speed* | Optional. Specifies the speed of the animation. Default value is 400 milliseconds  Possible values:   * milliseconds (like 100, 1000, 5000, etc) * "slow" * "fast" |
| *easing* | Optional. Specifies the speed of the element in different points of the animation. Default value is "swing". Possible values:   * "swing" - moves slower at the beginning/end, but faster in the middle * "linear" - moves in a constant speed   **Tip:** More easing functions are available in external plugins. |
| *callback* | Optional. A function to be executed after the animation completes. |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

width: 100px;

height: 100px;

padding: 10px;

border: 1px solid #000;

position:relative;

}

</style>

</head>

<body>

<h1>jQuery Animate Method</h1>

<div id="box">Yahoo Baba</div>

<br>

<button id="animateBtn">Animate</button>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Animate Method\*/

$(document).ready(function(){

$("#animateBtn").click(function(){

$("#box").animate({ left: "150px",fontSize: "25px"},3000,function(){

console.log("First Animate Completed;z")

});

$("#box").animate({ top: "150px"});

$("#box").animate({ width: "250px"});

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-slide)[Next](https://www.yahubaba.com/jquery/jquery-stop-method)

## jQuery Stop Method

### stop()

The stop() method stops the currently running animation for the selected elements.

### Syntax

$(selector).stop(stopAll,goToEnd)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| stopAll | Optional. A Boolean value specifying whether or not to stop the queued animations as well. Default is false |
| goToEnd | Optional. A Boolean value specifying whether or not to complete all animations immediately. Default is false |

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

width: 100px;

height: 100px;

padding: 10px;

border: 1px solid #000;

position:relative;

}

</style>

</head>

<body>

<h1>jQuery Stop Method</h1>

<div id="box">Yahoo Baba</div>

<br>

<button id="animateBtn">Animate</button>

<button id="stopBtn">Stop</button>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Stop Method\*/

$(document).ready(function(){

$("#animateBtn").click(function(){

$("#box").animate({ left: "200px"},3000);

$("#box").animate({ fontSize: "25px"},2000);

});

$("#stopBtn").click(function(){

$("#box").stop(true,true);

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-animate-method)[Next](https://www.yahubaba.com/jquery/jquery-chaining)

## jQuery Chaining

### jQuery Method Chaining

Until now we have been writing jQuery statements one at a time (one after the other).

However, there is a technique called chaining, that allows us to run multiple jQuery commands, one after the other, on the same element(s).

**Tip:** This way, browsers do not have to find the same element(s) more than once.

To chain an action, you simply append the action to the previous action.

The following example chains together the css(), slideUp(), and slideDown() methods. The "p1" element first changes to red, then it slides up, and then it slides down:

### Example

$("#p1").css("color", "red").slideUp(2000).slideDown(2000);

We could also have added more method calls if needed.

**Tip**: When chaining, the line of code could become quite long. However, jQuery is not very strict on the syntax; you can format it like you want, including line breaks and indentations.

This also works just fine:

### Example

$("#p1").css("color", "red")

.slideUp(2000)

.slideDown(2000);

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

background: lightgreen;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery Method Chaining</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

</div>

<br>

<button id="animateBtn">Animate</button>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Method Chaining\*/

$(document).ready(function(){

$("#animateBtn").click(function(){

$("#box").css("background","pink").slideUp(2000).slideDown(2000);

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-stop-method)[Next](https://www.yahubaba.com/jquery/jquery-parent-closest)

## jQuery parent closest

parent()

The parent() method returns the direct parent element of the selected element.

**The DOM tree:** This method only traverse a single level up the DOM tree. To traverse all the way up to the document's root element (to return grandparents or other ancestors), use the parents() or the parentsUntil() method.

**Tip:** To traverse a single level down the DOM tree, or all the way down to the last descendant (to return children or other descendants), use the children() or find() method.

Syntax

$(selector).parent(filter)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *filter* | Optional. Specifies a selector expression to narrow down the parent search |

parents()

The parents() method returns all ancestor elements of the selected element.

An ancestor is a parent, grandparent, great-grandparent, and so on.

**The DOM tree:** This method traverse upwards from the parent element along ancestors of DOM elements, all the way up to the document's root element (<html>).

**Note:** If the filter parameter is empty, this function will select all ancestors of a set of elements, from the direct parent and all the way up to <body> and <html>. It is therefore often useful to pass a selector expression to narrow down the search result.

This method is similar to closest(), in that they both traverse up the DOM tree. The differences are as follows:

***parents()***

* Begins with the parent element
* Travels up the DOM tree and returns all ancestors that matches the passed expression
* The returned jQuery object contains zero or more than one element

closest()

The closest() method returns the first ancestor of the selected element.

An ancestor is a parent, grandparent, great-grandparent, and so on.

**The DOM tree:** This method traverse upwards from the current element, all the way up to the document's root element (<html>), to find the first ancestor of DOM elements.

This method is similar to parents(), in that they both traverse up the DOM tree. The differences are as follows:

***closest()***

* Begins with the current element
* Travels up the DOM tree and returns the first (single) ancestor that matches the passed expression
* The returned jQuery object contains zero or one element

offsetParent()

The offsetParent() method returns the first positioned parent element.

**Tip:** An element can be positioned with jQuery, or with the CSS position property (relative, absolute, or fixed).

Syntax

$(selector).offsetParent()

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px;}

#main-outer{

border: 1px solid #8e44ad;

background: #a29bfe;

padding: 10px 10px;

width: 600px;

height: 600px;

margin: 0 auto;

}

#outer{

border: 1px solid #ff9f43;

background: #fdcb6e;

padding: 10px 10px;

width: 550px;

height: 500px;

margin: 0 auto;

}

#inner{

border: 1px solid #f78fb3;

background: #f8a5c2;

padding: 10px 10px;

width: 500px;

height: 400px;

margin: 0 auto;

}

#inner div{

border: 1px solid #3dc1d3;

background: #63cdda;

padding: 10px 10px;

width: 70px;

height: 100px;

display: inline-block;

text-align: center;

margin: 0 15px 0 0;

}

</style>

</head>

<body>

<h1>jQuery Ancestors Methods </h1>

<div id="main-outer" style="position: relative;">

<h2>Main Outer</h2>

<ul id="outer" >

<h2>Outer</h2>

<div id="inner">

<h2 id="child-head">Inner</h2>

<div>A</div>

<div>B</div>

<div id="child-C">C</div>

<div>D</div>

</div>

</ul>

</div>

<br>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Ancestors Methods\*/

$(document).ready(function(){

//$("#child-C").parent().css("background","red");

//$("#inner").parents("#main-outer").css("background","red");

//$("#inner").parentsUntil("#main-outer").css("background","red");

//$("#inner").offsetParent().css("background","red");

$("#child-C").closest("ul").css("background","red");

});

</script>

</body>

</html>

## jQuery Children & Find

### children()

The children() method returns all direct children of the selected element.

**The DOM tree:** This method only traverse a single level down the DOM tree. To traverse down multiple levels (to return grandchildren or other descendants), use the find() method.

## **Syntax**

$(selector).children(filter)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| filter | Optional. Specifies a selector expression to narrow down the search for children |

### find()

The find() method returns descendant elements of the selected element.

A descendant is a child, grandchild, great-grandchild, and so on.

**The DOM tree:** This method traverse downwards along descendants of DOM elements, all the way down to the last descendant. To only traverse a single level down the DOM tree (to return direct children), use the children() method.

### Syntax

$(selector).find(filter)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| filter | Required. A selector expression, element or jQuery object to filter the search for descendan |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

</head>

<style>

body{ font-family: arial; }

h1{ font-size: 25px;}

#main-outer{

border: 1px solid #8e44ad;

background: #a29bfe;

padding: 10px 10px;

width: 600px;

height: 600px;

margin: 0 auto;

}

#outer{

border: 1px solid #ff9f43;

background: #fdcb6e;

padding: 10px 10px;

width: 550px;

height: 500px;

margin: 0 auto;

}

#inner{

border: 1px solid #f78fb3;

background: #f8a5c2;

padding: 10px 10px;

width: 500px;

height: 400px;

margin: 0 auto;

}

#inner div{

border: 1px solid #3dc1d3;

background: #63cdda;

padding: 10px 10px;

width: 70px;

height: 100px;

display: inline-block;

text-align: center;

margin: 0 15px 0 0;

}

</style>

<body>

<h1>jQuery Descendant Methods </h1>

<div id="main-outer" style="position: relative;">

<h2 class="test">Main Outer</h2>

<ul id="outer" >

<h2>Outer</h2>

<div id="inner">

<h2 id="child-head">Inner</h2>

<div>A</div>

<div>B</div>

<div class="test">C</div>

<div>D</div>

</div>

</ul>

</div>

<br>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Descendant Methods\*/

$(document).ready(function(){

$("#inner").children(".test").css("background","red");

//$("#main-outer").find(".test").css("background","red");

});

</script>

</body>

</html>

## jQuery Sibling

### siblings()

The siblings() method returns all sibling elements of the selected element.

Sibling elements are elements that share the same parent.

### Syntax

$(selector).siblings(filter)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| filter | Optional. Specifies a selector expression to narrow down the search for sibling elements |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

</head>

<style>

body{ font-family: arial; }

h1{ font-size: 25px;}

#main-outer{

border: 1px solid #8e44ad;

background: #a29bfe;

padding: 10px 10px;

width: 700px;

height: 600px;

margin: 0 auto;

}

#outer{

border: 1px solid #ff9f43;

background: #fdcb6e;

padding: 10px 10px;

width: 600px;

height: 500px;

margin: 0 auto;

}

#inner{

border: 1px solid #f78fb3;

background: #f8a5c2;

padding: 10px 10px;

width: 550px;

height: 400px;

margin: 0 auto;

}

#inner div{

border: 1px solid #3dc1d3;

background: #63cdda;

padding: 10px 10px;

width: 70px;

height: 100px;

display: inline-block;

text-align: center;

margin: 0 13px 0 0;

}

</style>

<body>

<h1>jQuery Sibling Methods </h1>

<div id="main-outer" style="position: relative;">

<h2 class="test">Main Outer</h2>

<ul id="outer" >

<h2>Outer</h2>

<div id="inner">

<h2 id="child-head">Inner</h2>

<div class="test">A</div>

<div>B</div>

<div id="child-C">C</div>

<div>D</div>

<div class="test">E</div>

</div>

</ul>

</div>

<br>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Sibling Methods\*/

$(document).ready(function(){

$("#child-C").siblings().css("background","red");

//$("#child-C").siblings(".test").css("background","red");

//$("#child-C").next().css("background","red");

//$("#child-C").prev().css("background","red");

//$("#child-C").prevAll().css("background","red");

//$("#child-C").nextAll().css("background","red");

//$("#child-C").nextUntil(".test").css("background","red");

//$("#child-C").prevUntil(".test").css("background","red");

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-children-find)[Next](https://www.yahubaba.com/jquery/jquery-first-last-eq-not-slice)

## jQuery First/last/eq/not/slice

first()

The first() method returns the first element of the selected elements.

Syntax

$(selector).first()

last()

The last() method returns the last element of the selected elements.

Syntax

$(selector).last()

eq()

The eq() method returns an element with a specific index number of the selected elements.

The index numbers start at 0, so the first element will have the index number 0 (not 1).

Syntax

$(selector).eq(index)

not()

The not() method returns elements that do not match a certain criteria.

This method lets you specify a criteria. Elements that do not match the criteria are returned from the selection, and those that match will be removed.

This method is often used to remove one or more elements from a group of selected elements.

Syntax

$(selector).not(criteria,function(index))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *criteria* | Optional. Specifies a selector expression, a jQuery object or one or more elements to be removed from a group of selected elements.  **Tip:** To specify multiple criteria, use comma. |
| function(*index*) | Optional. Specifies a function to run for each element in a group. If it returns true, the element is removed. Otherwise, the element is kept.   * *index* - The index position of the element in the set |

slice()

The slice() method selects a subset of elements based on its index.

A subset is a set that is a part of a larger set.

This method is used to limit the selection of elements in a group, by a start and end point: the *start* parameter is a starting index (starts at 0) from which to create the subset, and the *stop* parameter is an optional ending point.

Syntax

$(selector).slice(start,stop)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *start* | Required. Specifies where to start the selection of elements. The index numbers start at 0.  **Note:** Using a negative number will select elements from the end of the selected elements, instead of the beginning. |
| *stop* | Optional. Specifies where to end the selection of elements. If omitted, the selection continues until the end of the set. The index numbers start at 0.  **Note:** Using a negative number will select elements from the end of the selected elements, instead of the beginning. |

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#first{

background: #ffeaa7;

padding: 10px;

border: 1px solid #000;

}

#second{

background: #a29bfe;

padding: 10px;

border: 1px solid #6c5ce7;

}

</style>

</head>

<body>

<h1>jQuery Filtering Methods</h1>

<div id="first">

<p>Lorem ipsum <span>dolor sit amet</span> consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Tenetur mollitia nostrum modi earum qui, maxime.</p>

</div>

<br>

<ul>

<li>Orange</li>

<li>Apple</li>

<li>Banana</li>

<li>Grapes</li>

</ul>

<div id="second">

<p class="test">Lorem ipsum, dolor sit amet consectetur adipisicing elit. Deserunt, eaque eius! Exercitationem dolorum commodi ea! Debitis, quo illum eos ratione aliquam eveniet, praesentium architecto excepturi, molestias, est optio. Vitae, similique.</p>

<p>Lorem ipsum dolor sit amet, consectetur, adipisicing elit. Repellendus earum reprehenderit obcaecati ea, sapiente, cupiditate quod magnam porro officiis magni.</p>

</div>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Filtering Method\*/

$(document).ready(function(){

$("#second p").first().css("background","gold");

//$("ul li").last().css("background","gold");

//$("ul li").eq(2).css("background","gold");

/\* WithFilter\*/

//$("p").filter(".test").css("background","gold");

/\* WithOutFilter\*/

//$("p.test").css("background","gold");

//$("p").not(".test").css("background","gold");

//$("ul li").slice(2).css("background","gold");

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-sibling)[Next](https://www.yahubaba.com/jquery/jquery-has-is-method)

## jQuery has & Is Method

has()

The has() method returns all elements that have one or more elements inside of them, that matches the specified selector.

Syntax

$(selector).has(element)

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *element* | Required. Specifies a selector expression or an element to match elements against |

is()

The is() method checks if one of the selected elements matches the *selectorElement*.

Syntax

$(selector).is(selectorElement,function(index,element))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *selectorElement* | Required. Specifies a selector expression, element or a jQuery object to match the current set of elements against. Returns true if there is at least one match from the given argument, and false if not. |
| function(*index*,*element*) | Optional. Specifies a function to run for the group of selected elements.   * index - the index position of the element * element - the current element (the "this" selector can also be used) |

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#first{

background: #ffeaa7;

padding: 10px;

border: 1px solid #000;

}

</style>

</head>

<body>

<h1>jQuery has() & is() Method</h1>

<div id="first">

<p>Lorem ipsum dolor sit amet <b>consectetur adipisicing elit</b>. Laborum nostrum voluptate delectus.</p>

<p>Lorem ipsum dolor sit amet, consectetur adipisicing elit. Tenetur mollitia nostrum modi earum qui, maxime.</p>

</div>

<br>

<ul>

<li>Orange</li>

<li><span>Apple</span></li>

<li>Banana</li>

<li>Grapes</li>

</ul>

<p class="test">Lorem ipsum, dolor sit amet consectetur adipisicing elit. Deserunt, eaque eius! Exercitationem dolorum commodi ea! Debitis, quo illum eos ratione aliquam eveniet, praesentium architecto excepturi, molestias, est optio. Vitae, similique.</p>

<p>Lorem ipsum dolor sit amet, <span class="test">consectetur, adipisicing</span> elit. Repellendus earum reprehenderit obcaecati ea, sapiente, cupiditate quod magnam porro officiis magni.</p>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery has() & is() Method\*/

$(document).ready(function(){

$("p").has("b,span").css("background","gold");

//$("p").has(".test").css("background","gold");

/\*if($("p").parent().is("div")){

console.log($("p").parent().is("div"));

}\*/

/\*$("p").click(function(){

if($(this).parent().is("div")){

$(this).css("background","gold");

}

});\*/

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-first-last-eq-not-slice)[Next](https://www.yahubaba.com/jquery/jquery-each-method)

## jQuery each Method

each()

The each() method specifies a function to run for each matched element.

Syntax

$(selector).each(function(index,element))

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| function*(index,element)* | Required. A function to run for each matched element.   * *index* - The index position of the selector * *element* - The current element (the "this" selector can also be used) |

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

</style>

</head>

<body>

<h1>jQuery each() Method</h1>

<ul>

<li>Orange</li>

<li>Apple</li>

<li>Banana</li>

<li>Grapes</li>

</ul>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery each() Method\*/

$(document).ready(function(){

$("li").each(function(){

console.log($(this).text());

//$(this).text("Hello");

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-has-is-method)[Next](https://www.yahubaba.com/jquery/jquery-page)

## jQuery page

### event.pageX

The event.pageX property returns the position of the mouse pointer, relative to the left edge of the document.

### Syntax

event.pageX

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| event | Required. The event parameter comes from the event binding function |

### event.pageY

The event.pageY property returns the position of the mouse pointer, relative to the top edge of the document.

### Syntax

event.pageY

Parameter Description event Required. The event parameter comes from the event binding function

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#result{

border: 1px solid #6c5ce7;

background: #a29bfe;

width: 400px;

height: 400px;

}

#box{

border: 1px solid #e15f41;

background: #e77f67;

width: 50px;

height: 50px;

}

</style>

</head>

<body>

<h1>jQuery pageX & pageY Property</h1>

<div id="result"></div>

<div id="box"></div>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery pageX & pageY Method\*/

$(document).ready(function(){

$(document).mousemove(function(event){

//$("#result").text(event.pageX)

$("#result").text("X: " + event.pageX + " Y: " + event.pageY);

var x = event.pageX;

var y = event.pageY;

$("#box").offset({top:y,left:x});

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-each-method)[Next](https://www.yahubaba.com/jquery/jquery-event-type)

## jQuery Event Type

### jQuery event.type Property

The event.type property returns which event type was triggered.

### Syntax

event.type

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| event | Required. The event parameter comes from the event binding function |

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

border: 1px solid #6c5ce7;

background: #a29bfe;

width: 400px;

height: 400px;

}

</style>

</head>

<body>

<h1>jQuery Event.type Property</h1>

<div id="box"></div>

<h2></h2>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Event.type Property\*/

$(document).ready(function(){

$("#box").on("click dbclick mouseover mouseout",function(event){

$("h2").html("Event: "+ event.type)

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-page)[Next](https://www.yahubaba.com/jquery/jquery-event-which)

## jQuery Event Which

### jQuery event.which Property

The event.which property returns which keyboard key or mouse button was pressed for the event.

### Syntax

event.which

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| event | Required. The event parameter comes from the event binding function |

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

border: 1px solid #6c5ce7;

background: #a29bfe;

width: 400px;

height: 400px;

}

</style>

</head>

<body>

<h1>jQuery Event.which Property</h1>

<div id="box"></div>

<br>

<input type="text" id="inputbox">

<br>

<h2></h2>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Event.which Property\*/

$(document).ready(function(){

$("#box").on("mouseover mouseout mousedown",function(event){

$("h2").html(event.type + ": " + event.which);

});

/\*$("#inputbox").on("keydown",function(){

$("h2").html(event.type + ": " + event.which);

});\*/

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-event-type)[Next](https://www.yahubaba.com/jquery/jquery-event-target)

## jQuery Event Target

### jQuery event.target Property

The event.target property returns which DOM element triggered the event.

It is often useful to compare event.target to this in order to determine if the event is being handled due to event bubbling.

### Syntax

event.target

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| event | Required. The event parameter comes from the event binding function |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

border: 1px solid #6c5ce7;

background: #a29bfe;

padding: 10px;

}

</style>

</head>

<body>

<h1>jQuery Event.target Property</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

<button>Test Button</button>

</div>

<br>

<h3></h3>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Event.target Property\*/

$(document).ready(function(){

$("#box").on("click",function(){

$("h3").html("Target Element: " + event.target.nodeName);

});

/\* jQuery Event.target innerHTML Property\*/

/\*$("#box").on("click",function(){

$("h3").html("Target Element: " + event.target.innerHTML);

});\*/

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-event-which)[Next](https://www.yahubaba.com/jquery/jquery-event-preventdefault)

## jQuery Event preventDefault

jQuery event.preventDefault() Method

The event.preventDefault() method stops the default action of an element from happening.

For example:

* Prevent a submit button from submitting a form
* Prevent a link from following the URL

Syntax

event.preventDefault()

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| *event* | Required. The *event* parameter comes from the event binding function |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

border: 1px solid #6c5ce7;

background: #a29bfe;

padding: 10px 10px;

}

</style>

</head>

<body>

<h1>jQuery Event.preventDefault()</h1>

<div id="box">

<a href="http//www.yahoobaba.net" id="result">Yahoo Baba Website(preventDefault)</a>

<br><br>

<a href="http//www.yahoobaba.net">Yahoo Baba Website</a>

</div>

<br>

<h2></h2>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Event.preventDefault() Method\*/

$(document).ready(function(){

$("#result").click(function(event){

event.preventDefault();

var a = event.isDefaultPrevented();

$("h2").html(a);

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-event-target)[Next](https://www.yahubaba.com/jquery/jquery-event-stoppropagation)

## jQuery Event stopPropagation

### jQuery event.stopPropagation() Method

The event.stopPropagation() method stops the bubbling of an event to parent elements, preventing any parent event handlers from being executed.

### Syntax

event.stopPropagation()

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| event | Required. The event parameter comes from the event binding function |

<!DOCTYPE html>

<html lang="en">

<head>

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{ font-size: 25px; }

#box{

border: 1px solid #6c5ce7;

background: #a29bfe;

padding: 10px;

}

</style>

</head>

<body>

<h1>jQuery Event.stopPropagation()</h1>

<div id="box">

<h2>Test Box</h2>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Laborum nostrum voluptate delectus.</p>

<button>Test Button</button>

</div>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Event.stopPropagation() Property\*/

$(document).ready(function(){

$("#box").click (function(){

alert("The div element was Clicked");

});

$("h2").click (function(){

alert("The h2 element was Clicked");

});

$("p").click (function(event){

event.stopPropagation();

alert("The p element was Clicked" + event.isPropagationStopped());

});

$("button").click (function(){

alert("The button element was Clicked");

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-event-preventdefault)[Next](https://www.yahubaba.com/jquery/jquery-event-data)

## jQuery Event Data

### jQuery event.data Property

The event.data property contains the optional data passed to an event method when the current executing handler is bound.

### Syntax

event.data

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| event | Required. The event parameter comes from the event binding function |

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Learn jquery</title>

<style>

body{

font-family: arial;

}

h1{

font-size: 25px;

}

#box{

border: 1px solid #e58e26;

background: #f8c291;

padding: 10px;

}

</style>

</head>

<body>

<h1>jQuery Event.data</h1>

<div id="box">

<p>Lorem, ipsum dolor sit amet consectetur adipisicing elit. Laboriosam ducimus ipsa perspiciatis, in sed exercitationem aut provident ab vero molestiae. Sint praesentium libero, rerum consequuntur quae sequi ea voluptas placeat!</p>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Sint tempora fuga a eaque magnam nulla vero magni, modi pariatur fugiat ut recusandae maiores dignissimos repellat dolore illo soluta libero quibusdam.</p>

<p>Lorem ipsum dolor sit amet consectetur adipisicing elit. Porro, nemo fuga a, repellendus delectus eveniet tenetur vero quis reiciendis, autem ad obcaecati facere in et maiores quo impedit quod aut!</p>

</div>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script>

/\* jQuery Event.data\*/

$(document).ready(function (){

$("p").each(function (i){

$(this).on("click",{value:i},function(event){

alert(event.data.value);

});

});

});

</script>

</body>

</html>

[Previous](https://www.yahubaba.com/jquery/jquery-event-stoppropagation)[Next](https://www.yahubaba.com/jquery/jquery-plugin-introduction)

## jQuery Plugin introduction

Plugins are the section of code and these codes are written in a JavaScript file. These JavaScript files are used to provide jQuery methods that work together with jQuery library methods.

**How to create a jQuery plugin with methods:** In Jquery Plug-in is a code that is needed in a standard javascript file. Plugins help in providing different methods that can be used with different jquery library methods.

Create a method.  
​

* jQuery.fn.methodName = methodDefinition;
* To Obtain a perfect or compatible code use this *.each* which is used to perform over a set of matched element.
* Prefix should conclude with .js.

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Learn jquery</title>

<style>

body{ font-family: arial; }

h1{

font-size: 35px;

text-align: center;

}

#scrollUp{

bottom: 20px;

right: 20px;

padding: 10px 20px;

background-color: #555;

color: #fff;

/\* background-image:url(images/top.png);

height: 38px;

width: 38px; \*/

}

</style>

<script src="https://code.jquery.com/jquery-3.3.1.min.js"></script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/scrollup/2.4.1/jquery.scrollUp.min.js"></script>

<script>

$(function () {

$.scrollUp({

scrollDistance: 50,

scrollSpeed: 1000,

scrollText: "Top"

// scrollImg: true

});

});

</script>

</head>

<body>

<h1>jQuery Scroll Plugin</h1>

<p>

Lorem ipsum dolor, sit amet consectetur adipisicing elit. Ullam maxime id consequatur molestias optio officia voluptate dolore quod possimus aperiam perferendis culpa eaque est obcaecati, repudiandae enim assumenda velit sequi laborum nemo? Architecto dicta laboriosam omnis reiciendis nobis nulla possimus distinctio eius ipsam dolor error quidem illum molestias minima repellat, modi magnam alias quis sint libero quae quia cum, vel totam. Iste dignissimos nam, aliquid blanditiis quo est explicabo dolores, temporibus quia quae ex facere necessitatibus, quas et. Ex magnam iste laudantium voluptas voluptate, repellendus sint sit rerum corporis at consequuntur consequatur unde cum nihil architecto praesentium officia esse quas aperiam. Nesciunt facere accusamus commodi dolor incidunt hic tempora, aut quod velit illo ut omnis odit rem laudantium veniam vel atque modi? Deserunt, corrupti blanditiis exercitationem illo quaerat odit fuga vero nisi! Libero ullam voluptate accusantium numquam nobis dolorum, tempora repellendus nisi odit optio? Aspernatur tenetur, ducimus saepe expedita asperiores vel atque! Mollitia numquam similique voluptatem corrupti ullam. Placeat, aliquam doloribus. Magni doloremque beatae architecto assumenda animi ea amet cumque quam. Aut eos minus architecto, dolorum excepturi deleniti eveniet? Nobis minus, autem ipsa dolores aliquam ipsum quisquam incidunt necessitatibus voluptatibus, et consequuntur obcaecati, illum hic quaerat nesciunt. Cupiditate quos sequi facilis, molestiae esse, exercitationem, tempora itaque expedita quaerat id nihil minus fugit. Eius nihil expedita nisi suscipit veritatis soluta ratione omnis asperiores veniam voluptate illum aut commodi consequatur doloribus ad in iure, sit exercitationem rerum ab numquam optio, fuga repellat doloremque. Ullam ad, eos quo amet ab at esse sint, veniam consequatur recusandae iusto. Quod harum alias numquam officia quidem maxime nulla consectetur id qui ea quos impedit voluptates, amet ad cumque magnam aliquid exercitationem aperiam explicabo laudantium reiciendis distinctio quae veniam! Beatae, amet sunt? Et, ab aspernatur nemo explicabo ducimus placeat enim ea quod dignissimos, maxime repellendus libero nostrum molestias assumenda eaque perspiciatis. Dolor quod neque, voluptatibus repellat nesciunt nam similique voluptate illum pariatur, molestias distinctio porro totam quam. Quibusdam consectetur harum minima sint labore? Ipsam necessitatibus at error saepe pariatur magni optio labore cumque ipsum, itaque modi. Dolore sed corporis perferendis veritatis culpa consequatur nostrum voluptatibus, animi at, possimus doloribus! Obcaecati corrupti veritatis, dolor aperiam perferendis est illum architecto minima error ut reprehenderit quam aliquid accusantium in nulla excepturi ex quasi fuga. Facilis dolor, soluta ut numquam maxime laboriosam ex adipisci molestias fugiat! Magnam ea id harum dolor. Beatae, officiis. Alias, laborum obcaecati possimus voluptatibus odit numquam repudiandae tenetur. Aperiam, optio placeat. Quisquam sed facilis illo. Non illo deserunt sapiente aliquid neque, molestiae, eligendi dolorem numquam quo blanditiis voluptate cupiditate porro. Repellat, et sed omnis recusandae voluptatem vel velit cum possimus beatae. Porro, illo dolorum. Dolores laborum neque modi iusto voluptatem. Magni repellat sunt obcaecati odit cumque libero in sint ipsum odio facere? Neque velit enim optio aspernatur nisi veritatis aperiam reiciendis. Exercitationem explicabo vel cupiditate voluptatibus impedit molestiae adipisci assumenda officiis consectetur sapiente eligendi pariatur aliquid dicta, reprehenderit, doloremque similique perspiciatis ducimus qui ad est voluptatem optio reiciendis? Voluptatem totam harum, maiores culpa rem modi, explicabo ipsa quo consectetur quis corporis sapiente ab praesentium sed vitae soluta placeat fuga exercitationem cumque, quos veniam repudiandae. Quidem ab dolores possimus exercitationem! Consequatur excepturi nobis voluptas amet tenetur ipsa sunt labore inventore voluptatum fugiat error iusto architecto quam maxime ducimus quod earum, ea ex unde nam non nisi. Animi minima itaque necessitatibus hic ea asperiores autem maxime optio exercitationem doloremque debitis, eligendi pariatur, culpa recusandae totam nesciunt sed esse minus. Unde animi nesciunt, voluptates quidem eos dolor magnam architecto! Architecto, expedita. Earum laboriosam fuga nemo veritatis dolores ut non eos similique, voluptatum doloremque doloribus, tempora officia enim a. Tempore ea repellat saepe enim culpa voluptas sint velit, nulla explicabo ipsa corporis aliquam porro, architecto dolorum vel nihil ut laboriosam. Sapiente possimus porro id totam ipsam tenetur velit saepe temporibus soluta, beatae expedita facilis, dicta deserunt! Quasi facere, sit maiores temporibus assumenda ipsa fugiat dignissimos eos at modi! Dicta sequi iste molestias ex laborum aperiam beatae dolorem sunt ea? Id, officia similique, nam est excepturi sed debitis sapiente repellat exercitationem quis rem ipsa minus. Minima, doloremque earum. Minima, qui animi assumenda id voluptas ullam ea in neque ab illum, odio reiciendis quo modi. Ipsam labore a dolore! Optio perferendis similique quidem dignissimos unde, quo numquam tempore non ex quae? Quidem, minus esse voluptatum excepturi nam aliquam velit quas magnam laborum maiores soluta sunt vero pariatur error quod quae cumque sapiente dolor porro vitae, culpa similique aliquid? Corrupti quis cumque praesentium cum! Officia eius ullam blanditiis sed vero. Natus omnis tempore, adipisci iste enim consequatur dolore ut soluta voluptatem, repellat maxime ullam quia fuga quod voluptas explicabo voluptatibus, facere labore odio! Aspernatur at consequatur numquam earum, nobis quibusdam illo omnis mollitia fuga facere natus tempore ipsum porro maiores sint pariatur nihil nam, atque inventore, delectus quo molestiae quaerat modi similique. Sit, dolorum nam exercitationem esse assumenda asperiores itaque tempora? Assumenda ex laudantium laborum a sapiente culpa repellendus unde corporis perferendis. Ipsa, cupiditate natus nam hic asperiores magni maiores neque eligendi totam nulla eum voluptatem assumenda nostrum odit iure accusantium voluptas inventore atque deleniti pariatur quisquam sequi. Quisquam quas aspernatur ducimus reiciendis obcaecati est, blanditiis id esse, quos, ullam impedit sed libero! Fuga obcaecati inventore earum labore! Omnis, numquam perferendis rem dicta illo ullam eum aliquam doloremque. Ipsa perspiciatis dolores beatae autem recusandae numquam veniam obcaecati provident vitae nam consequuntur maxime amet, exercitationem fuga, ratione, corrupti explicabo quos ea. Veniam deserunt voluptatum repudiandae hic sequi, impedit nemo distinctio cum sapiente atque excepturi suscipit ullam asperiores qui laudantium officia, rerum dolore in minus fugiat pariatur. Distinctio amet enim maiores, facilis quaerat iusto minus sunt eaque nam maxime accusamus corporis dignissimos harum quas modi pariatur, id incidunt! Sit eum dolorem hic earum nulla. Eligendi alias saepe suscipit molestiae sunt molestias est minima quibusdam amet unde neque facilis quos, expedita adipisci natus voluptatem incidunt numquam magni harum exercitationem modi, eveniet quis dolores. Tempora laborum quaerat, molestias repellendus sequi vel in voluptatibus nobis provident expedita laboriosam cupiditate, earum totam nostrum? Sapiente sint modi nostrum totam dolorem commodi officiis corrupti eum. Voluptates tenetur fugit voluptas dolorem id! Sed accusantium exercitationem voluptates quidem ut, deleniti quam quas illo soluta harum totam tempore labore, facilis voluptatem mollitia magni voluptas quod iure, vitae sequi distinctio. Iusto possimus beatae quod nobis officiis! Optio quae consectetur recusandae molestiae temporibus placeat, nulla, voluptatum aut voluptatibus cumque eius! Veritatis inventore veniam placeat explicabo magni deleniti, optio consequatur ex adipisci suscipit ad. Aliquid voluptatem quo maiores fugit, tempora pariatur cupiditate adipisci eum quasi a dolore voluptas illum, quisquam nostrum. Consequuntur itaque magnam eos recusandae dolor aliquid doloribus dignissimos quibusdam sint rem vero quo fugiat at voluptates possimus ducimus dolorem aliquam ipsa labore ex, dolorum ut cumque voluptatibus. Dolorum sit, repellendus temporibus consequatur ab cumque. Velit quas magnam sapiente enim iusto? Nostrum totam perspiciatis corporis vitae fugit esse natus tempora molestiae nulla. Fuga laboriosam ullam consectetur vitae temporibus omnis quasi sed itaque fugiat quibusdam voluptas, ducimus in dolor repudiandae? Iure impedit in nemo aliquam optio deleniti eligendi tenetur voluptate quis, est iste quas dignissimos, recusandae laboriosam. Possimus minus corporis molestiae optio maiores suscipit beatae eius. Consectetur aspernatur odit voluptates aperiam voluptatum magnam ratione laudantium et officia exercitationem rem natus, qui commodi temporibus rerum suscipit fugiat voluptas expedita deleniti nemo! Praesentium sequi odio ratione hic asperiores error, ex architecto? Similique laudantium natus deleniti. Architecto aliquid animi et optio neque quos doloribus explicabo obcaecati quibusdam mollitia omnis laudantium quis tenetur, incidunt sit repellendus fuga voluptatum blanditiis error provident ad adipisci qui commodi. Repudiandae ducimus doloremque fugit obcaecati voluptatibus, fuga ullam, ipsa voluptatum atque corporis, eum cupiditate doloribus quam autem officiis illo quos nesciunt nisi eos architecto iusto provident! Maiores sapiente ex impedit autem hic illo veniam laborum? Laboriosam voluptatibus nisi, sequi ipsam, voluptatum sit tempore, quos ducimus ex ut possimus commodi reiciendis corrupti. Mollitia suscipit asperiores sunt ipsa dolores libero consequatur! Odit dolore debitis molestias soluta voluptatum dolor possimus, illo harum esse inventore modi consequuntur dignissimos cumque. Culpa, aspernatur? Dignissimos cumque ex tempore tenetur suscipit omnis assumenda dolorem, obcaecati blanditiis, illo illum delectus ea alias amet. Nihil, a tempora! Totam voluptates impedit, nesciunt doloribus commodi dignissimos voluptatum animi fuga culpa quae maxime voluptas, a consectetur. Ut recusandae fuga dolores sunt tempore suscipit, atque veniam voluptate itaque nulla amet excepturi fugit laboriosam quod voluptates necessitatibus ex aspernatur! Nemo nesciunt, dicta accusamus eligendi, esse minima repudiandae quam sequi sapiente dolorem ratione odit! Aliquam error perferendis nobis laboriosam dignissimos, eius, magni fuga ut veniam modi sit voluptate distinctio tenetur magnam unde corporis ad nostrum facere odio debitis repudiandae esse molestias repellendus! Consequuntur nobis quos ex esse, ab nisi voluptates ratione praesentium iste similique, et quod nemo dolores commodi pariatur aperiam cumque excepturi a culpa rem veritatis natus maiores dolorem repellendus? Tempora reiciendis vel sequi minus exercitationem, corrupti, dolorum perferendis veritatis, id nulla non quod explicabo officia voluptates consequatur amet quas aliquam cumque nihil deserunt inventore! Eos nulla corrupti praesentium placeat nam dignissimos, eligendi, doloremque illo voluptates quo neque tenetur qui ad, harum ipsam iure aliquid possimus modi. Veniam est quas voluptas, cumque repellat at similique excepturi aut vero. Harum vel voluptatem corrupti aliquam, molestiae fugit facilis? Esse, amet perspiciatis. Nihil, asperiores sed. Id quasi, qui reiciendis rerum fugit corporis provident sint eligendi labore, doloremque incidunt? Ducimus vero, deserunt quasi fuga sapiente eius repudiandae? Reprehenderit, itaque sequi. Temporibus, aliquam dolore pariatur fuga ea voluptatibus quod nesciunt, beatae quidem dolores magnam harum accusantium distinctio cumque voluptatem atque incidunt commodi soluta facere! Obcaecati officiis ex qui error repellat laborum, placeat beatae nam nesciunt architecto asperiores. Laboriosam fugit blanditiis ullam nesciunt dolorum eligendi accusantium. Tenetur quam iusto ipsum suscipit eius molestiae odio ratione temporibus adipisci quia ullam assumenda, ad, tempore tempora. Optio distinctio alias ut rem ex nobis, dolorum, culpa libero saepe hic ea, debitis minima repellendus corrupti. A adipisci harum deserunt eligendi quidem molestias commodi, accusantium dicta animi inventore debitis culpa magnam molestiae temporibus dolore voluptate eum nam labore! Sunt quaerat cumque temporibus facere possimus explicabo, non, amet nemo placeat omnis sapiente vitae. Ea eos, itaque ducimus iste hic accusantium officiis excepturi cumque alias repudiandae. Expedita ducimus ab deleniti commodi quis ipsa aspernatur provident vero libero officia illum quasi, debitis dolor reprehenderit rem modi dolorem quidem exercitationem eum mollitia amet similique! Optio rerum harum tempora quo atque sit qui laudantium dolorem at aspernatur. Consequatur molestiae suscipit corrupti inventore porro explicabo eum alias illum, magni fugiat in nulla quidem dolor exercitationem recusandae voluptates voluptatem omnis obcaecati officiis nostrum laborum earum eius itaque! Accusantium eius eligendi harum. Quas, inventore aliquid! Expedita earum repellendus impedit facere voluptatibus perspiciatis, nostrum at nulla vero esse dicta beatae ipsa id. Possimus atque doloribus enim sequi nesciunt non illo, aperiam magni est, vitae beatae cum minima. Sed, ullam. Et possimus autem commodi voluptatem inventore iste quisquam reiciendis velit, adipisci perspiciatis esse numquam consequatur minus id earum ea magni ullam totam necessitatibus suscipit sint deleniti at eos explicabo. Consequuntur ducimus rerum possimus! Esse, ratione. Veniam distinctio explicabo soluta laboriosam quos omnis nam blanditiis ipsum. Ratione ea eaque molestias omnis voluptas, enim quo et consequatur animi exercitationem odio aperiam ab eligendi aliquid sint cumque nemo commodi ipsum voluptatem iste, obcaecati voluptate hic perspiciatis. Recusandae aperiam quos vitae praesentium magni quaerat animi unde dolores ipsa consequuntur. Eveniet temporibus, fugiat accusamus commodi similique itaque fuga! Nostrum voluptas voluptatem doloribus, nulla minus obcaecati optio aspernatur impedit hic nemo eum error! Hic totam, iusto voluptatum amet dignissimos aliquid iste id exercitationem distinctio quidem? Ex, dolores nihil modi temporibus eaque cum non. Voluptates soluta tenetur qui dicta! Quos nesciunt numquam enim nemo ut, quaerat accusamus reiciendis vitae exercitationem ratione architecto eos facilis consectetur ab alias ex laudantium rem aut quidem voluptate voluptatum, autem quas nam perspiciatis. Iusto modi eius aliquid. Officia enim sequi modi necessitatibus optio exercitationem, ratione repellendus ad magni sed a quae. Ipsa necessitatibus explicabo nihil cupiditate earum. Quas assumenda exercitationem tenetur quam cumque saepe consectetur ab sapiente, molestias nulla nihil accusamus recusandae consequuntur perspiciatis distinctio esse iure ducimus explicabo unde a velit earum hic ipsam laudantium! Exercitationem modi iure fuga voluptatum enim, libero deserunt eligendi esse voluptate ex! Culpa sit molestias tempore, quod minus praesentium. Et, inventore nihil hic, quisquam rerum molestias porro dignissimos fugit non, expedita animi? Qui nihil deserunt iste aperiam voluptas, id ut beatae aut corporis a laborum nemo velit sapiente, sed ratione ab. Aliquam exercitationem aliquid, voluptates dolor, eum nesciunt necessitatibus dignissimos ex voluptatibus assumenda, magnam officia sint consectetur officiis ipsum ipsam ad. Adipisci velit voluptatem temporibus sunt quos id nobis eligendi asperiores ut culpa, iusto maiores animi soluta quidem sit aspernatur nulla omnis corrupti laboriosam atque illum odit quod. Suscipit nulla totam deserunt eum dolore laborum distinctio a eos sint molestias placeat impedit non odit doloribus vel, quod sequi cum? Atque distinctio quo quia illum libero esse ipsa reiciendis et exercitationem culpa labore iusto perferendis rerum, veniam unde dolor doloremque. Facere rerum expedita saepe pariatur ea at, vel maiores possimus delectus ipsam aut voluptate temporibus et nulla, impedit molestiae eum neque debitis quas dignissimos explicabo molestias ullam maxime! Reprehenderit dignissimos molestias magnam quidem provident temporibus perspiciatis eum non sapiente quisquam excepturi, sint in quae impedit cum accusamus eos? Voluptate alias aspernatur ab ducimus? Recusandae commodi similique modi sed laborum amet nisi illum accusantium libero quas aliquid, nesciunt placeat quibusdam perferendis voluptate numquam itaque? Voluptas, odit. Veritatis, deleniti? Tempora incidunt, fuga cupiditate laudantium explicabo enim quas, reiciendis corporis maxime nihil, praesentium dolorum ea dicta! Itaque omnis minus quis. Sapiente velit quod nihil facilis laborum porro ratione minima consequuntur? Quo, omnis velit consectetur voluptas minus mollitia dicta eaque incidunt odit pariatur cupiditate doloremque. Perspiciatis nisi repudiandae dignissimos cum voluptatibus, hic, dolorem nulla eius labore itaque repellendus quidem illo facilis ut accusamus nostrum et. Consequatur quaerat ea sint? Quam sit cupiditate rerum earum magni similique quasi nam est at velit recusandae ex, ducimus vitae aut, corrupti repellendus quis ipsa reprehenderit reiciendis quia adipisci necessitatibus. Ipsa placeat quo deleniti fuga, obcaecati inventore nihil quas quibusdam harum voluptatibus, cum atque consectetur animi asperiores sequi beatae et fugit deserunt quisquam? Corporis, soluta explicabo, molestias similique mollitia eaque debitis reiciendis suscipit sint at voluptatibus quam officia quod, consequuntur adipisci harum deserunt ad animi. Fugiat nostrum ratione nesciunt. Labore aperiam, earum minima facilis est possimus, magni libero commodi nulla enim, ipsum autem perferendis minus saepe praesentium inventore exercitationem corporis. Quam quo cumque sequi temporibus culpa hic aperiam, illo consequuntur saepe laudantium dolor accusamus ducimus a placeat earum exercitationem voluptatem quisquam tempora quibusdam obcaecati ex nemo rerum. Quos nisi vitae ad, accusantium possimus minus doloremque quaerat veritatis fugiat voluptatum reiciendis, hic itaque eaque. Fugit officiis possimus necessitatibus nostrum, deserunt totam amet maxime, ea vero sit ut! Iusto, ex a officiis quasi saepe quae numquam voluptatum sint vero voluptates inventore nobis voluptate maxime doloremque ipsam mollitia ea itaque. Fugit quia necessitatibus at labore illum eaque. Rem fuga consectetur consequatur, temporibus exercitationem cupiditate natus debitis officiis saepe voluptate voluptatem dolorum fugiat nihil! Iure tenetur dignissimos velit temporibus doloremque ea at commodi illum assumenda delectus laudantium ut, autem reiciendis amet sunt cum inventore placeat! Illo necessitatibus, dolor totam quis labore aut eligendi earum dolore explicabo inventore minus culpa itaque excepturi nihil provident ad doloremque fuga temporibus aliquid incidunt debitis odio assumenda tempore! Commodi corrupti minima quod ad saepe velit? Quasi sit veniam iusto nihil animi qui placeat provident. Corrupti eveniet neque quam sunt quas vitae. Quibusdam perspiciatis ab obcaecati sed aperiam, quia libero doloremque adipisci officia tenetur omnis a eius quas molestias tempora quod culpa autem eum. Debitis, distinctio dicta? Saepe porro quidem placeat, exercitationem corporis dolores dolore nobis ab incidunt consectetur veritatis, dolorem recusandae, maiores eos eligendi. Veritatis officia deleniti natus neque sequi, dolor dicta sint, deserunt ad nemo sed distinctio eos laborum reiciendis omnis qui libero assumenda numquam? In labore voluptate illum beatae eligendi rem animi quas deserunt tempore cum, maiores voluptatem eius, voluptatum laborum eos perferendis enim cumque illo sed dolorem fugiat molestiae. Error molestias iure quam qui officiis necessitatibus praesentium vel provident accusamus expedita? Voluptatibus rerum tempora corporis commodi libero dolores similique sit maiores quidem deleniti! Vitae commodi voluptates voluptate omnis quaerat! Quasi fugiat rem iste eos possimus accusantium suscipit at veritatis eius culpa explicabo neque tempora molestias laborum numquam consequuntur et aliquid beatae, ipsum architecto saepe, nihil sequi vitae maiores. Odio vitae voluptates similique temporibus dolore explicabo, officiis corporis et at exercitationem consequatur fugit id blanditiis expedita voluptatem quas sit iste minus atque in perferendis recusandae voluptatibus magni harum. Optio quae veniam expedita ex reiciendis ipsum iusto, eius totam fugiat sed natus maxime. Iusto ut accusamus consectetur nulla tempore vel earum fugiat voluptas odio ex fuga harum fugit recusandae, quae excepturi, porro eius? Cum, facilis numquam architecto consectetur hic nisi quasi eius quibusdam! Nobis maiores earum ex alias laboriosam exercitationem doloremque odio, dolorem quae asperiores iure nisi est enim magni quisquam ducimus delectus accusamus expedita itaque deserunt unde! Quasi officia odit, exercitationem error facere iure nisi provident, et totam vel ullam quae, quaerat illum quos tempore beatae? Cum fugiat consequatur omnis esse obcaecati laborum ratione hic laudantium accusantium eius earum, nesciunt voluptatum aliquam rerum repellat veritatis provident error dolorum! Quisquam consectetur facilis aliquid eaque tempore molestiae laudantium! Et tempora similique quod! Deserunt dolores aliquid beatae repellat consectetur obcaecati ex, necessitatibus doloribus corporis atque tenetur expedita. Itaque, quasi aliquam enim dolores voluptatum repellendus, molestias cum blanditiis ullam neque perspiciatis quis delectus provident! Architecto, magni fugiat eius suscipit mollitia praesentium eaque provident nesciunt similique magnam blanditiis accusamus in officia modi id enim consectetur, maiores officiis. Quis reiciendis iusto id amet, omnis dolor nostrum ducimus qui modi aliquid commodi minus est quod. Animi sequi eligendi minima eveniet alias exercitationem quos dicta autem magni provident voluptatibus incidunt rem labore ex, quis odio hic unde et est sint quasi, porro obcaecati saepe aspernatur. Eaque consequatur fugit incidunt et doloribus repudiandae, nemo ut tenetur distinctio odio voluptatum omnis perspiciatis. Quisquam harum aut, tenetur ratione similique assumenda. Officiis quia nesciunt blanditiis eaque eligendi. Eum minus inventore ullam ducimus quis consequuntur nulla nemo! Illum eligendi quod vitae, asperiores aliquid similique in, consequuntur eius dicta, harum a illo? Mollitia, similique voluptatibus commodi alias magnam, exercitationem recusandae laboriosam dolores rem ipsam maxime veritatis magni ea explicabo, tempore asperiores accusantium necessitatibus. Aperiam praesentium cumque quibusdam eligendi quae pariatur? Repellendus, sunt quibusdam odit deserunt dicta cupiditate at dignissimos vitae facilis consequatur repellat temporibus! Quas, vitae repellendus necessitatibus alias nam placeat impedit expedita autem magnam repellat, facilis et aliquid maiores ullam voluptates voluptatem voluptatibus recusandae vero veritatis natus amet sed quibusdam? Ipsum dolore veritatis laboriosam suscipit consectetur, vel officiis, deleniti totam fugit accusamus est in ipsam dignissimos eaque incidunt ab repudiandae ut eum iste doloribus minima doloremque. Ipsum ut quam facere, natus perspiciatis minus asperiores molestias reiciendis ex labore magni ea at eum, magnam officia nemo non expedita delectus quisquam eius! Accusantium quaerat voluptates quia cum molestias voluptatem illo, sapiente officia ipsam tempora fuga possimus quam repudiandae minus ab aliquam molestiae, cumque aliquid voluptatibus eum aspernatur. Dolorem voluptas iusto vero fugiat, ullam ducimus molestiae exercitationem, quaerat distinctio quae possimus a nulla nisi modi magnam eius? Voluptate, delectus, incidunt ipsam, voluptas sed aliquam iure maiores sint neque consectetur porro expedita deleniti odio distinctio voluptates quo eligendi alias ducimus. Facilis excepturi, a ipsam recusandae delectus officia, ab ea consequatur, ut laborum soluta dignissimos quam minus rerum! Sed accusantium earum, id neque temporibus soluta eos iure officia dolorum necessitatibus ea. Pariatur eligendi blanditiis expedita deserunt odio. Labore, alias, minima ad asperiores tenetur incidunt quasi quia necessitatibus voluptate culpa nisi quis amet. Aliquid accusamus odit incidunt quae qui cum voluptates dolorem repudiandae. Assumenda officia exercitationem vero doloribus suscipit! Libero quas assumenda unde! Quis hic adipisci voluptate dolores id fugiat a repellat possimus sunt? Corrupti animi cupiditate corporis sed nesciunt neque eum ducimus alias, aliquam iure natus odit. Accusamus nulla tempore recusandae in alias iusto animi itaque beatae necessitatibus dolore porro corrupti laborum et magni aut, id modi unde repellendus omnis facere inventore deserunt. Ut nisi exercitationem, ab officiis accusamus eligendi ipsa quos consequatur, totam illum dolor laboriosam perferendis aliquam mollitia ullam voluptate harum sunt fuga, unde corrupti. Vel soluta nisi qui ipsum similique. Cum, sapiente hic porro cupiditate reiciendis natus. Minima aperiam tempora voluptas soluta, doloremque debitis quis voluptate suscipit. Consequuntur, officiis fuga hic quos nostrum reiciendis ad voluptatum sit cumque consequatur iure perspiciatis rerum cupiditate dolores reprehenderit in velit culpa aperiam. Laboriosam, voluptatibus architecto? Veniam, esse id ut fuga aspernatur tempora inventore iusto consequuntur quae quia voluptate quasi reiciendis, autem deserunt quod, dignissimos accusamus doloremque odit totam qui. Assumenda cumque architecto dolor repellat quidem temporibus expedita ad voluptatum repudiandae, ex rerum ipsa? Totam enim dignissimos aliquid quam, harum perferendis magni animi id maiores aspernatur tempora omnis. Aut accusamus aliquid ullam placeat voluptate eligendi, id, ipsa molestiae quae perspiciatis distinctio ab adipisci aliquam blanditiis optio, totam alias atque ducimus accusantium similique magnam earum! Harum modi voluptate iusto saepe eius. Eius nobis alias quisquam blanditiis cum, nihil beatae dignissimos rem, ipsum officia veniam corporis voluptates. Praesentium tempore nam mollitia consequuntur possimus voluptate aperiam quidem quasi, cumque incidunt facilis accusantium veritatis expedita consectetur temporibus! Odit nemo, tempora dolorum corporis mollitia modi a quisquam dolorem commodi provident quidem error voluptates excepturi eligendi eveniet repudiandae vel, delectus nostrum. Sapiente, molestiae. Quasi alias officiis, ipsa amet optio eligendi magnam consectetur voluptates eos quos veniam, iusto nemo quae quisquam similique, rerum beatae et pariatur nesciunt ab? Labore, ratione voluptatem est quod ipsum odio quia sit dolore, provident suscipit earum veritatis molestiae a consectetur saepe quibusdam eaque inventore commodi alias porro! Molestias, rem quibusdam. Repellendus totam expedita voluptates vero, obcaecati sequi consequatur, quasi, nesciunt voluptatibus dignissimos molestiae rem. Assumenda nostrum aliquam dolore sunt ducimus, possimus nulla quia laborum dignissimos? Facere, laudantium reprehenderit! Fuga dolor officia ratione aspernatur eligendi! Fugit voluptate ullam excepturi quibusdam id error pariatur facere animi in ad ratione, repellat aspernatur nobis rem perferendis quos, iusto sapiente iste. Veritatis adipisci expedita est ipsum illum eaque eligendi dignissimos tempora unde consequuntur aut facere beatae quia, consectetur aliquam doloremque voluptate quos repellat mollitia quisquam sit excepturi. Praesentium error id et asperiores unde necessitatibus beatae temporibus reprehenderit enim est suscipit, officiis ullam cupiditate modi explicabo! Saepe optio nihil architecto neque iste numquam porro voluptate maiores? Dolorum ab alias fuga soluta, minus debitis, officia reprehenderit omnis veritatis autem inventore adipisci tempora quod libero commodi magni nemo amet? Ratione itaque, quod aut sunt alias est. Perspiciatis molestiae cupiditate beatae natus minima ab, repellat ullam vel magnam animi, error sit architecto! Voluptatum porro id voluptas numquam quasi maxime, magnam eligendi ipsam tempore dolorum veniam similique asperiores dolores hic repellat obcaecati, blanditiis vitae laboriosam reprehenderit, sapiente voluptates maiores expedita. Veniam ratione repudiandae officiis possimus aut iste provident reprehenderit hic soluta deserunt. Hic exercitationem alias temporibus at nostrum ex esse consectetur quas est voluptatibus voluptates earum odit a, quo optio atque illo perferendis? Dolorem, doloribus. Aliquid a autem explicabo alias ad aliquam expedita eligendi nemo repudiandae voluptates? Repellat, quo sint perferendis nisi pariatur officiis earum, debitis commodi quas, omnis qui! Placeat, maiores porro quod amet dolorum beatae totam mollitia sit ullam laborum iste distinctio, numquam corporis tenetur qui. Ducimus vitae nihil a voluptate fuga illo repellendus illum minima consequuntur eum, nulla, ipsum voluptates necessitatibus in possimus laborum aspernatur distinctio recusandae hic aperiam? Magnam voluptatum eveniet dolor magni fuga quod doloribus molestias libero vero quasi deserunt ut, placeat voluptatem incidunt non quos accusantium repudiandae necessitatibus? Quaerat quis qui voluptas tenetur esse optio, itaque nisi eligendi temporibus id doloribus, rerum dolores quasi deleniti. Laborum cupiditate sapiente provident placeat ex eos assumenda a! Magnam fugit maxime molestias iste similique animi possimus sed quos adipisci, doloribus praesentium placeat provident, dignissimos aliquam eaque iusto id doloremque repudiandae! Natus officia quae ad dolore quasi dolores deserunt magni eum enim molestias qui doloremque numquam ut minus animi corrupti, aperiam ipsam dignissimos aliquid nostrum cumque sint aut eveniet. Excepturi, similique. Suscipit nostrum eos inventore nesciunt expedita incidunt. Molestias et ratione, ad dignissimos, quas aperiam veritatis quo nemo at doloremque a fuga quos, distinctio excepturi ab voluptate. Delectus magni molestias porro dolor rerum amet, numquam, voluptas soluta ipsum magnam architecto, unde sunt? Delectus iste aspernatur perferendis tempora perspiciatis, vitae repudiandae corporis excepturi, sunt alias assumenda amet asperiores, accusantium expedita ullam est neque repellat. Ipsa fuga autem omnis perspiciatis in possimus ab, a non unde accusamus doloribus dolorum reprehenderit, architecto temporibus. Perspiciatis, dolor quas dolorem minima pariatur nobis neque facilis explicabo est eum animi expedita, consequuntur sapiente sequi esse error ullam aliquid? Consequuntur delectus veniam illum vitae, nulla totam laudantium, quidem iusto maxime quia corporis temporibus mollitia! Dolorem consequatur sequi, dolores dignissimos officiis saepe error excepturi minus totam facilis maxime laborum eius sapiente architecto quo quos laboriosam aspernatur natus dolore porro enim delectus corporis. Eligendi blanditiis adipisci cum! Optio, autem aspernatur totam nam vel id accusantium cupiditate ullam architecto vitae rerum, nemo exercitationem alias reprehenderit. Possimus officia, rem animi eveniet fuga suscipit esse nesciunt dignissimos quidem tempora aperiam atque. Eum adipisci quis, pariatur aliquid tempore eligendi nemo animi labore fugiat praesentium dicta doloribus quasi, optio possimus, ex porro molestiae magni magnam dignissimos provident iste repellendus ab corporis laboriosam! Fugit incidunt nesciunt, non officia eius consequuntur enim rem ab libero recusandae rerum explicabo doloremque ipsam nobis repellendus hic! Ipsa quis aliquam ea qui quod adipisci magni optio labore nulla perspiciatis perferendis veniam itaque aperiam corporis vitae at, debitis cumque, et inventore error eligendi officia suscipit, illum non! Necessitatibus atque labore veniam corrupti quia quibusdam alias quos reiciendis tempore qui, assumenda eaque aut enim excepturi voluptatibus nostrum vitae numquam asperiores blanditiis, explicabo, magnam fugit? Tempora aperiam eius inventore repellendus suscipit, consectetur in facere odit ipsam placeat. Debitis fuga, saepe earum molestias dolorum inventore assumenda dicta distinctio id sapiente ex soluta animi doloribus quas sequi corrupti aut excepturi, aperiam sint quos corporis, voluptas qui. Repellendus excepturi quis aperiam delectus sapiente quod voluptate voluptates dolorum. Hic animi non adipisci mollitia ipsum velit aut sint! Incidunt qui aut quae quas. Vel, tenetur perspiciatis quaerat, dicta repellat excepturi quos ullam possimus dolores quidem rerum iusto dolor sunt laborum? Porro velit laborum mollitia minima, voluptatum voluptates aliquam cupiditate vel perspiciatis possimus delectus? Iure, eius similique optio fugit quo id pariatur minima voluptatum neque ea, facilis dolore perferendis non at eligendi doloribus! Sequi alias asperiores minima dignissimos dolorum optio earum facere iusto fugit repudiandae veritatis debitis voluptatibus explicabo, architecto animi? Debitis facilis aspernatur modi tempora rerum deleniti voluptatem eveniet repellat quibusdam accusamus aliquid veritatis aperiam ipsam repudiandae molestias unde, est ullam vero eius esse, error eaque tenetur dolor. Architecto, soluta voluptates tenetur iure autem aliquam officia libero quo ex ab a doloremque magnam enim distinctio aperiam voluptatibus veniam natus? Necessitatibus temporibus possimus nam unde ut voluptates dicta, pariatur excepturi doloremque labore libero nulla! Beatae odio quidem doloremque sint dignissimos ratione nobis modi laudantium unde impedit! Sapiente, ipsum modi vitae asperiores recusandae fugiat, a dicta odio, id quis deleniti adipisci ipsam ut quod repudiandae officiis optio voluptate non vero repellendus tempore consequatur. Dolorum explicabo placeat iusto, ratione quidem deserunt totam rerum. Vero dolorum inventore repudiandae. Accusantium cum corporis beatae, reprehenderit quaerat, rerum, vero ipsa eligendi quisquam neque necessitatibus totam iusto! Quod, labore quidem! Dolores eligendi tenetur expedita quia doloribus, explicabo nesciunt fugit eos laborum sed est, nisi velit aut quisquam ex culpa maiores id! Placeat deleniti nemo laudantium iure repellat, dolorem totam sequi libero sed, voluptatibus quod? Enim corrupti recusandae accusamus, sunt sint nulla. Quisquam repudiandae quae reiciendis accusamus adipisci, explicabo exercitationem ab corrupti id voluptas dolore ex sunt facilis ipsa natus neque aliquid, veritatis animi. Iusto, amet. Nobis necessitatibus culpa debitis eum rerum quam tempore dolorum, soluta aliquid illum id! Explicabo, deleniti ipsum quaerat magnam, unde eaque nobis quae et, dolore rerum error vero modi consequuntur sit cum nemo! Quis quos accusamus ab. Provident ab itaque doloribus voluptatibus necessitatibus consectetur, quod tenetur ipsum ratione animi omnis non suscipit aliquid consequuntur porro placeat quam voluptates at similique quia est quaerat? Esse recusandae eius impedit fuga ipsum cupiditate, eligendi quam modi, quis mollitia quos porro iure cumque amet et optio quo natus consequuntur, ex sequi. Ipsum sint incidunt facere ea explicabo quibusdam, voluptatibus accusantium nisi? Quo, delectus impedit. Veritatis ab consectetur enim dicta vel obcaecati sapiente aut quibusdam quod, beatae, modi quos omnis excepturi consequuntur repellat voluptate, a at laboriosam consequatur officia. Repellendus praesentium ex quas voluptas expedita et maiores sit odit. Aspernatur aliquid aliquam expedita, ut asperiores molestiae iste numquam laboriosam aut tempore illum accusamus officia voluptatem culpa dignissimos vel voluptatum blanditiis quia. Id cupiditate velit vero eligendi ipsam impedit quia ea provident consectetur non ipsa facere recusandae fugit natus molestiae, architecto dignissimos nostrum voluptatum iusto, eveniet tempora unde error, eos alias. Dolore vel tenetur assumenda laudantium, illo consequuntur ex rerum optio obcaecati temporibus quos sed atque ab ipsum eius unde consectetur amet iste dolor reprehenderit a modi, inventore distinctio! Hic nihil culpa magnam, totam repudiandae, ut nesciunt assumenda animi quaerat minima a, blanditiis tempore dolore molestiae dignissimos! Eveniet unde odit hic iste est expedita ea doloremque voluptate minus commodi quos excepturi modi quam optio magni aspernatur maxime ipsam obcaecati cupiditate, ullam eius libero autem fugiat! Et, voluptatibus? Doloremque quidem ipsam commodi error eligendi facere architecto vel perspiciatis ad impedit voluptates libero, fuga nostrum officiis, officia labore. Autem qui illo sequi perferendis nam temporibus iusto fugiat accusantium officiis eligendi! Rerum earum adipisci sunt magnam repellat alias dolor, officiis quis molestiae odio rem atque nisi, voluptatum velit? Aperiam quam reiciendis, dicta, nesciunt atque quia blanditiis animi maiores nulla perspiciatis quis itaque labore facilis eveniet! Eveniet natus maxime impedit commodi suscipit consequatur doloribus cumque esse a, voluptatum necessitatibus quis recusandae. Aut nulla enim nam possimus nemo, aliquam recusandae. Facere laboriosam aperiam vitae perspiciatis, quam facilis, quas dolor aspernatur sequi omnis at praesentium inventore? Sapiente, itaque doloremque. Facilis excepturi dolores, qui provident voluptate doloremque maiores deserunt? Assumenda fugiat ratione ad aspernatur amet illum impedit possimus excepturi optio minima corrupti, reprehenderit, sint fugit exercitationem minus quibusdam? Officiis, possimus voluptatum. Minima voluptatibus incidunt, asperiores dolorem a alias explicabo nam doloremque error cumque quidem cum doloribus recusandae ea soluta fugiat distinctio tempora nostrum culpa unde eius nesciunt veritatis, magnam sequi! Explicabo tempora, fuga facilis deserunt est, provident laboriosam sunt libero debitis illum dolore aspernatur cupiditate qui consequuntur rerum rem eius soluta, laborum voluptatum ipsum nostrum? Assumenda velit, repellat eum dolorem quo nobis facilis odio corporis error obcaecati eaque. Consectetur, repellendus est voluptates facilis aut praesentium alias possimus, dolor minus modi culpa enim numquam sunt impedit id nemo esse quibusdam eligendi libero soluta. Voluptates voluptatibus ratione asperiores, temporibus tempora numquam porro. Dolores, veniam veritatis et officia repudiandae eum ex velit dolorem mollitia quo repellendus a rerum eligendi quam cum tempora ea perspiciatis magni aperiam sunt accusantium enim nemo. Porro veritatis officia veniam tenetur obcaecati recusandae, aliquid maxime culpa eos laudantium tempora necessitatibus laborum possimus beatae nulla dolor. Eius assumenda, deleniti, dolorem distinctio in est nisi aliquid soluta ratione saepe quis! Suscipit veniam vitae ipsa, eos, quas excepturi recusandae iure fugiat quibusdam possimus amet nesciunt perspiciatis aliquid eligendi numquam maxime porro. Libero incidunt praesentium neque officia doloribus laboriosam necessitatibus assumenda deserunt ab numquam nemo sit soluta optio, aperiam eveniet quo ullam, sequi harum. Maxime doloremque nam aliquid, accusamus expedita facilis ducimus necessitatibus, non quo, tenetur repudiandae saepe quas nihil illum quaerat nemo molestiae iusto magnam fugit tempore ex cumque perferendis. Voluptas officiis commodi nihil, culpa aspernatur hic harum unde. Nam mollitia cupiditate laborum eaque totam, obcaecati ad dignissimos, quibusdam, in nihil expedita itaque impedit voluptatem tempora accusamus? Ipsa debitis dignissimos excepturi sunt blanditiis perferendis inventore odio nemo facere, molestiae, officiis consectetur eligendi! Quod debitis repellat, obcaecati voluptatem, error id corporis explicabo voluptatum illo ipsam aliquam? Quia, sunt consequuntur qui unde aperiam molestias fugiat eaque, totam, nobis odio similique! Voluptates excepturi dolor quia, commodi ullam aliquam, hic tenetur, adipisci quis consequatur quo odit architecto sit voluptas ea ipsa doloribus eveniet numquam. Commodi voluptatem saepe laborum officia impedit eaque sint veniam enim est recusandae rem officiis qui quibusdam sequi harum ipsam, quam repellat debitis minima quidem perspiciatis in. Sapiente ipsa nostrum, esse a ipsam, cupiditate, at doloremque quod sint vel dolores sequi aliquam consequatur odit. Nemo aliquam tenetur doloribus numquam veniam facere cupiditate nam quas voluptatem ratione! Corporis soluta quaerat amet dolorum cum incidunt. Esse, nisi. Pariatur odit quisquam assumenda incidunt, veritatis perferendis vel aliquid atque corrupti commodi ab quam consequuntur, eos velit aut nisi reprehenderit voluptatibus libero temporibus! Iure quisquam accusantium vero ducimus perspiciatis exercitationem, obcaecati sed? Assumenda modi suscipit ab necessitatibus molestiae ex natus rem vel esse facilis ipsum mollitia quas quis doloribus quae officiis, eius, voluptatem nemo labore dolore iure? Laborum doloremque dolorem ipsa quae iure. Commodi, et. Magni perferendis ea qui nulla nobis. Repellendus mollitia enim labore voluptatibus eligendi recusandae ipsa odio temporibus totam. Vitae dolorem numquam delectus pariatur nisi doloremque, unde dolores aliquam quaerat asperiores mollitia voluptatem animi eveniet adipisci eum quia molestiae et eaque quam quasi vel earum culpa ipsam! Laboriosam aut ut consequatur ipsam maxime aspernatur in itaque! Excepturi, recusandae. Nam similique voluptatem pariatur eaque alias enim accusantium, veritatis ut! Odio soluta alias quas, asperiores obcaecati quo cumque explicabo porro reiciendis ea consequatur labore magni veritatis. Maiores corrupti recusandae quam, necessitatibus ratione voluptatem laudantium facere praesentium ad, quisquam eius? Voluptas veritatis doloremque ad necessitatibus iste delectus magnam voluptatum voluptatem deleniti cumque. Atque natus rem earum autem quia alias voluptas quis distinctio architecto. Ad nihil sunt suscipit officiis asperiores sit, itaque doloremque, ducimus incidunt nesciunt ratione soluta voluptates voluptatem numquam aliquid animi mollitia. Ex aliquam nemo at, voluptates repellat, eveniet blanditiis quis similique aut voluptatem quod alias totam assumenda animi. Deserunt ipsum blanditiis cumque laborum suscipit fuga repellendus quo amet enim at vel tempora, aperiam quisquam soluta nostrum quidem, hic neque vitae quasi eaque est rerum molestiae nesciunt accusamus. Nemo quas, quaerat facere minus quos molestias nostrum asperiores illum dolores alias velit cupiditate earum placeat. Eaque similique aspernatur aliquid veritatis quidem repellendus inventore aperiam nobis debitis perferendis quisquam quis magni distinctio optio explicabo nulla deserunt aut, ducimus sapiente vitae, maiores voluptatem vel dignissimos! Culpa, nostrum possimus, ad nemo nisi minima tempore reiciendis, quidem autem facilis aut et quis molestias asperiores. Velit, illum magni est qui reiciendis quod deserunt obcaecati ipsa placeat minus rerum possimus numquam et, quam vitae! Blanditiis, amet tenetur? Asperiores cumque est perspiciatis nam sit eaque, nisi natus officiis quaerat culpa at voluptas dolor dolorem? Harum saepe quidem iste voluptatum sapiente fuga, culpa dolores eveniet perferendis necessitatibus distinctio numquam, nesciunt deleniti ea perspiciatis dicta incidunt dolore velit quia ut ipsum iure consequatur. Sint, temporibus dolorum? Dolor at debitis placeat magni magnam esse nisi deserunt ex officia laudantium, velit deleniti atque maxime suscipit dolorem nobis aspernatur dolorum a? Fugit, amet? Dolore possimus impedit omnis consequuntur vitae, voluptatem autem, molestias velit ea accusamus aperiam voluptatum minima reprehenderit fuga atque? Culpa quia sequi quo at reiciendis, nesciunt consequuntur cumque. Sequi laboriosam magnam corrupti maiores doloribus esse eos aliquid perferendis minus natus cupiditate excepturi enim suscipit, iste, necessitatibus, dolor placeat blanditiis architecto quis illum fuga voluptates. Illum optio totam autem ullam. Tempora nobis exercitationem praesentium aliquam aspernatur earum iusto a magni reprehenderit voluptate quo sint magnam quia esse debitis repellat, maiores dolore aperiam doloribus mollitia? Praesentium excepturi nihil corrupti voluptatum numquam. Minus veniam ratione tempora doloremque totam vero molestias maiores sit suscipit fuga. Ea sint praesentium eveniet, fugit nesciunt quis recusandae adipisci cum aliquid laboriosam. Quae nam libero ea laboriosam consectetur dolorum cum blanditiis consequuntur nulla aliquam fugit ullam vero aliquid, illo accusamus accusantium, fuga obcaecati quia ducimus. At animi voluptate reiciendis tempore itaque? Distinctio debitis nisi placeat accusamus consectetur autem eos repudiandae facilis error itaque et rerum nemo doloremque quasi, dignissimos nostrum illo beatae qui quibusdam perspiciatis a molestias aliquid? Dicta illo dolor sunt ex distinctio perferendis dignissimos et rem nisi quasi suscipit natus in at enim magnam consequuntur voluptatem, sed veritatis exercitationem. Distinctio, eos velit non voluptate libero doloremque aspernatur! Corrupti vero repudiandae dolor nisi sint ipsam id consectetur. Nostrum asperiores omnis, quos suscipit sequi numquam similique ipsam eaque dolorem minima est in voluptas repellat magnam molestiae, aspernatur fugit laudantium nihil, consectetur soluta! Dolore debitis accusantium adipisci saepe delectus laudantium veritatis reiciendis repudiandae corrupti accusamus quasi quae, laboriosam qui est corporis distinctio reprehenderit? Accusantium atque cupiditate sit facere fuga, inventore quo a quis eveniet itaque! Ad tempore, optio esse, illum ipsum officia fugiat atque maxime, vel repudiandae necessitatibus quod maiores porro voluptatem dolore unde odio pariatur! Minus, iste! Hic, itaque ab. Porro impedit dicta dolore voluptatibus ipsum obcaecati animi illum, libero ex eaque officia exercitationem provident sed optio nam placeat ratione, distinctio nisi ad eveniet quo quod, sapiente magnam aspernatur. Laudantium sit dolorem a. Eos dolores autem praesentium unde, laboriosam est saepe voluptatibus vitae a ad quod hic enim officia reiciendis? Ad, eum earum! Fuga numquam nesciunt iure neque ullam at assumenda, earum praesentium commodi consequuntur id a tenetur dolorem ab accusamus eum quos quia hic! Veritatis error vero molestiae reprehenderit animi ad quibusdam totam molestias, laborum quasi aut odit odio consequatur, dolore nisi minus? Id rerum error ut perferendis laudantium! Dolorem, accusantium sapiente reprehenderit quam exercitationem quaerat ea ullam saepe reiciendis ad voluptatibus delectus! Quasi dolore odio, blanditiis, in soluta ipsa illum nostrum quas possimus quae, laboriosam veritatis facere aspernatur. Illum quibusdam repellendus illo inventore fugit aspernatur sed eligendi perspiciatis in consectetur? A quas eum quae temporibus maiores doloribus deleniti, et commodi. Illum nisi quidem eaque iste, vero nam omnis perferendis culpa nihil odio eum, pariatur distinctio cum commodi iure temporibus ipsam nobis reprehenderit recusandae aspernatur quis beatae sed? Accusantium saepe nobis possimus laborum et cumque autem? Quod voluptatem optio assumenda doloribus similique reprehenderit sequi repellendus, rem quas cum. Vitae eaque cupiditate provident quidem nisi sunt, aperiam excepturi harum blanditiis magnam voluptate voluptatem, delectus ea nihil perferendis ipsam architecto. Ipsa quis aliquam consequatur perspiciatis modi ullam fugiat accusantium, iste inventore placeat animi pariatur voluptate, asperiores dolorum quo repellendus minus delectus saepe nihil voluptatum sit minima itaque. Quod cum temporibus quaerat nostrum asperiores voluptas inventore numquam tenetur voluptatibus. Deserunt iste dolor doloribus unde, adipisci expedita qui reprehenderit libero hic vitae modi error itaque officiis vero alias corporis delectus iusto fuga tenetur aliquid assumenda. Praesentium corrupti atque aliquid eveniet libero perspiciatis ratione voluptatum sed quas repellat maiores voluptate sint odio, quae odit, voluptatibus adipisci non fugit laudantium sunt sequi. Nemo iusto provident dolorem non consequatur reprehenderit, optio earum dolores ut nam natus commodi necessitatibus tenetur totam veritatis dolorum enim nulla sint est minus. Libero optio id doloremque voluptas unde ipsam atque quia deserunt eligendi incidunt porro adipisci iusto aliquam ea sit quibusdam, officia eum exercitationem sapiente accusantium excepturi assumenda animi impedit voluptates. Saepe illum molestias cumque optio libero veniam eum facilis mollitia, vero fugit beatae unde aliquam commodi modi porro quos animi qui! Ipsum, temporibus? Nihil fuga neque a quia quam porro cum laboriosam reiciendis eos unde minima voluptas dolore libero, tempora, at sit ad maxime dolor dolorum repellat? Hic, ipsam. Saepe nobis eligendi error, nisi tenetur quod iste quam magnam culpa iusto, alias molestiae, sed quis debitis praesentium commodi ab temporibus magni! Reprehenderit distinctio veniam eveniet aliquam eaque nemo possimus reiciendis tempora nam similique architecto, alias tempore ipsam beatae quas quibusdam soluta saepe. Voluptate quod commodi provident libero modi enim recusandae accusamus perferendis facere culpa, deleniti dignissimos eos, tenetur laborum aspernatur in nulla eligendi sed unde veniam at saepe architecto suscipit? Amet porro sunt hic voluptate eaque consequuntur labore sapiente, sed ullam repellendus, quia a tempore accusantium sit. Omnis beatae laboriosam, laudantium consectetur labore rerum dolorem pariatur placeat deserunt, quibusdam possimus corporis id! Perspiciatis modi in sit officiis perferendis. Quos pariatur laudantium soluta? Ipsum eaque consequatur nisi repellat nihil distinctio eveniet, ex veritatis temporibus a voluptatem iure deleniti. Dolore magni eius aut quis? Nam, pariatur dolorem minima perspiciatis laborum quos autem sint quo distinctio? Suscipit mollitia qui repellendus eligendi provident cum iusto, quia harum molestiae error, ullam voluptates atque placeat exercitationem maiores blanditiis sunt ducimus nesciunt commodi deleniti explicabo laudantium vel enim? Facere fugit ad eum amet quidem corporis nisi suscipit ipsum eaque similique earum tempore reiciendis cupiditate, quaerat possimus, rerum facilis ut perspiciatis libero, accusantium in voluptate inventore quam? Beatae odio quos atque blanditiis saepe dolorem dolor, nemo reprehenderit consequatur maiores ipsam quidem impedit, labore ducimus accusantium nobis similique consequuntur amet officia? Magni amet repellat laudantium saepe eum? Aut temporibus animi nihil sapiente repudiandae! Vitae vero, aspernatur iusto perspiciatis deleniti veniam ut adipisci molestias quae illum, sapiente, eaque fugit pariatur nobis quam veritatis consequuntur itaque impedit? Pariatur hic neque fugiat eligendi dolorem non rem modi iste ipsum, blanditiis labore vero alias autem voluptas enim commodi assumenda sit, reprehenderit sunt quidem, provident suscipit incidunt. Totam optio asperiores sunt quos magni? Maiores recusandae, nostrum minima perspiciatis quos qui voluptas inventore! Atque reiciendis quisquam alias mollitia, qui nam aspernatur incidunt ex aliquid dolor tempora laborum impedit maiores ipsam, repellat nihil voluptatibus numquam quidem veritatis? Ducimus ex mollitia quod facilis aut sint odit nesciunt, quae consequuntur dicta impedit beatae cum doloribus repellendus pariatur minus animi voluptates. Eum nulla asperiores rerum facilis inventore, hic provident sunt, deserunt quae consequuntur distinctio nemo temporibus exercitationem porro aperiam vel fugit perspiciatis. Atque placeat quam dignissimos aliquid accusamus necessitatibus, facilis itaque? Cumque, magnam iure doloribus fuga iste pariatur consequatur. Saepe nulla impedit ad quis temporibus, non, qui, recusandae modi atque veniam consequuntur? Quidem quis rem, quibusdam repellendus fugiat dignissimos provident voluptatibus in non fuga quam deserunt eligendi ad dolorem obcaecati consectetur harum fugit autem. Quasi molestiae beatae architecto sint odit repudiandae totam qui, ad, adipisci cupiditate, eveniet harum corporis cumque illum! Repellendus sapiente minus itaque excepturi, in nihil. Ea esse repudiandae voluptatem aliquid? Fuga facilis molestias vero ipsam numquam accusantium consectetur qui nulla ipsa dolorem voluptates sint error consequatur, et recusandae dolorum eos. Voluptatem, iste explicabo! Maxime modi labore rerum similique reiciendis sed deleniti porro doloremque inventore nihil magni, dolore voluptatibus! Aliquid eos eligendi animi officiis voluptatibus accusantium distinctio debitis, tempora laboriosam velit odio, aut voluptatum nesciunt fugiat. Pariatur perspiciatis minus accusamus assumenda id, eius doloribus debitis ducimus sunt porro, aspernatur quaerat officiis aliquid voluptatem hic maiores ipsa recusandae excepturi tenetur? Rem sint sequi deserunt repudiandae ab expedita maiores doloribus a labore voluptates numquam harum voluptatum nemo, officiis nesciunt officia, cumque nobis magni. Ratione est at officia ad laborum tempora enim totam asperiores? Facilis, iusto ipsam, laudantium, quae atque exercitationem culpa laboriosam porro facere aspernatur magnam voluptatem ad assumenda officia quia eum necessitatibus ullam error praesentium harum ducimus beatae esse possimus. Accusantium quisquam cumque, animi placeat eveniet ipsum eum quo alias ipsa ad molestiae esse obcaecati mollitia minus molestias id magnam doloribus nemo possimus vitae unde aut tempora? Aliquid laborum dolore incidunt eum quaerat iste fugit illum perferendis repudiandae? Quia sed, eum saepe id ratione explicabo natus numquam provident repudiandae illo quasi eaque doloribus beatae adipisci molestias, ut nihil quidem! Provident, fuga libero quis consectetur illo numquam quas officia, commodi soluta est cum autem impedit nesciunt similique, inventore ex sit pariatur ullam a labore aliquid ipsa asperiores et sequi. Odit nulla tenetur, facilis quibusdam modi rerum laboriosam amet unde! Expedita eaque ducimus hic maiores voluptatum consequatur animi ab eum vel, blanditiis qui aliquam quidem libero minus doloribus sit odio eius id! Iure unde eligendi aperiam eveniet eius aliquid, est debitis recusandae alias dolorem commodi, nam error soluta consectetur illo? Nam iste incidunt ipsam, perferendis quis, repellat ipsum natus unde dolor, consequatur neque quos deserunt in sapiente. Reiciendis, ut at provident vitae placeat eveniet officia sapiente esse itaque laborum minima nemo similique blanditiis corporis? Vitae magnam, alias, asperiores deleniti omnis aliquid odit ad aspernatur placeat totam officia consectetur iure quos quisquam debitis ipsam perspiciatis. Provident saepe aut, corporis quisquam deserunt est beatae quam error. Repellat commodi laudantium sit pariatur voluptatem ducimus nam, repudiandae rerum dolorum ex nesciunt iste suscipit alias velit maiores neque, doloremque veniam, quos in quae officia vero. Quisquam id ab quia corporis inventore fugit ipsa praesentium. Dolorem quasi non dicta impedit numquam voluptas qui rerum accusamus omnis necessitatibus quis delectus blanditiis, praesentium, facilis ullam quam error quod molestias nisi nemo at doloremque ut est! Architecto dignissimos veniam porro quidem excepturi laboriosam, assumenda numquam natus sed obcaecati quae, fugit nemo accusantium reprehenderit. Est, reiciendis tempora quis cum amet ipsum? Quibusdam tempora doloremque odio necessitatibus eos officiis pariatur, qui et. Enim consectetur ipsum consequuntur labore tenetur culpa, sapiente consequatur, maiores repudiandae vel aliquam dolorum nemo? Aut dignissimos aliquam culpa veritatis aspernatur, eaque ducimus, nisi perferendis quod molestiae quos? Placeat distinctio, ipsum et consequuntur nostrum at blanditiis numquam expedita ipsa vel impedit odit. Porro ipsa rem cumque, veniam ex inventore expedita eligendi placeat sapiente! Veniam inventore blanditiis enim porro repellendus fugiat amet laboriosam laudantium consequatur error debitis, quod neque aliquid libero id quia deleniti in ducimus modi deserunt laborum adipisci exercitationem quos aut! Dolorum enim dolore autem reiciendis, odit quo voluptatibus error, possimus, ullam sed reprehenderit quae deleniti animi labore officiis qui itaque. Obcaecati tenetur enim neque consequatur a sint quidem quisquam nulla porro possimus. Mollitia deleniti sed assumenda saepe sit aspernatur exercitationem error dolore, nihil repellat! Eum fugit repudiandae nostrum, quaerat non soluta corrupti sint. Earum, nemo aperiam ut numquam obcaecati incidunt quas perspiciatis quod vel animi esse autem alias veritatis similique ipsum. Cupiditate, assumenda beatae ab iste molestias quibusdam ad quos voluptatem hic perferendis minus nam at cum dignissimos quisquam? Quam tempore excepturi voluptatum, facere quia ipsum dolores quos odio. Sunt nesciunt, obcaecati expedita, corporis repudiandae itaque explicabo nisi dolorum exercitationem molestias illum impedit eum quia quasi. Ipsam repudiandae ipsa ratione aut necessitatibus nobis voluptatum, repellat earum inventore deserunt perspiciatis, culpa qui adipisci architecto facilis atque quo commodi accusantium cumque sint modi ipsum quaerat. Vero reprehenderit corrupti saepe enim, sunt pariatur veniam ex quam quo, nulla odio cupiditate rerum ea minus quod? Expedita, quos! Voluptatibus maiores dolorem magni iste ipsa voluptatum laboriosam rerum obcaecati neque, molestiae, vitae veritatis dolor? Non nihil qui quod quae voluptatibus, fugiat hic dolorum doloribus. Adipisci, neque? Repudiandae harum fugiat tempore delectus adipisci sequi dolorem aperiam at nihil fugit voluptatem laboriosam corrupti consequuntur recusandae alias, nulla exercitationem, velit vitae atque reiciendis doloremque. Architecto provident deleniti vel accusamus blanditiis, quidem, maxime doloribus in veniam voluptatum ullam temporibus perspiciatis quam nemo unde dicta suscipit inventore nulla sunt velit. Optio dolor distinctio voluptatum voluptatem cupiditate velit harum maiores sequi unde, qui fuga adipisci dolores doloribus quas dolorem tempore enim deleniti corrupti id laudantium facilis. Nihil, quam officia. In odit reprehenderit, rerum magni culpa velit quos sunt corrupti et molestias, animi error ratione optio iure. Laboriosam fuga vitae quod perspiciatis molestiae impedit laudantium? Velit maiores, doloribus odit totam ad sint recusandae veniam commodi nostrum inventore cupiditate amet magnam impedit quae illo reiciendis porro sit asperiores corrupti eius ipsam! Eligendi odit vitae, officiis dicta aspernatur qui tempora corrupti omnis, delectus molestiae sapiente perspiciatis nemo voluptatum numquam repudiandae provident ut nesciunt adipisci accusantium aliquam reiciendis iusto laborum. Magnam in atque libero cumque debitis officiis dolores nobis, soluta praesentium optio nemo ducimus ut maiores repellat neque enim velit? Temporibus nesciunt voluptatibus nobis reprehenderit pariatur tempore tenetur, rem qui, consectetur corporis voluptatum non dolorem. Nostrum quam praesentium, unde voluptates, reprehenderit hic minima quo illum quas ipsum sit dolorem corrupti, exercitationem quia? Asperiores modi, placeat possimus, eligendi facilis quaerat est et, similique aliquid perspiciatis non eveniet quis voluptatibus iusto dolorum! Quidem eum, iure deserunt ipsam totam labore nisi incidunt, alias fuga hic id! Itaque cumque nostrum vero accusamus rem officia. Quaerat quas saepe deserunt quo quasi veniam, aperiam odit, repellat reiciendis omnis optio recusandae at. Temporibus labore totam fugiat quasi cum amet laudantium sapiente natus quisquam. Aliquam nobis quos error corporis sit dolor nam iure similique nihil minus. Velit magni temporibus maxime corporis! Dolorum, nisi quas! Ut iure obcaecati fuga expedita laborum eum rem doloribus fugiat neque odio labore, molestiae temporibus doloremque, iste dolorum enim cupiditate repellendus. Saepe blanditiis culpa nostrum. Quisquam id cupiditate vero labore voluptate illo soluta atque optio dolorum libero! Veniam iste maiores ratione, harum in corporis aperiam? Optio quibusdam cupiditate omnis dolor atque, ad eveniet nisi magnam officiis? Fugit, nihil ipsa. Corrupti voluptate minima modi in, totam nisi officiis animi nostrum perferendis odit aliquam tempora dolores cumque magnam odio atque alias voluptatum dolorum! Aliquam, aliquid quam tenetur ab maiores asperiores beatae facilis excepturi cum nisi culpa consequatur est aut quo eos perferendis ipsum alias illo id blanditiis at ipsam autem doloremque unde? Ut sed accusamus quisquam cumque sapiente, hic veniam tempore nisi recusandae explicabo fugiat rem nobis aliquam animi rerum, cum facere at ipsa, sequi tenetur accusantium esse enim vero. Quas, tenetur cupiditate labore odio modi consectetur earum, minus fugiat perspiciatis id illo minima soluta hic enim obcaecati molestiae quasi. Itaque tempora fugiat hic placeat laborum quidem ullam commodi doloribus quod cumque cupiditate delectus eum sequi iste autem ipsam, incidunt perferendis numquam neque sint vitae. Facere sequi optio labore ipsum repellat, natus quo voluptatibus ab, eaque, laboriosam facilis illum. Sint mollitia impedit quasi aut? Aliquam provident illo exercitationem vero repudiandae ab ullam saepe quaerat a minima, placeat excepturi sit quo et ducimus enim maiores quasi labore debitis assumenda aliquid nulla libero! Est quisquam itaque deserunt ducimus facilis alias vel adipisci eaque maxime suscipit? In aut officia nostrum eligendi ducimus? Aut iusto odit non ipsa at alias, excepturi ducimus cumque tempore nihil fugit debitis. Autem modi voluptatibus eveniet voluptate ad quam recusandae fuga. Temporibus recusandae iusto voluptatum explicabo inventore repellendus itaque asperiores dolorem voluptates animi, aut aperiam. Deleniti fuga quia deserunt libero, obcaecati enim quod, corrupti quibusdam hic consequatur in molestiae doloremque. Ratione recusandae sapiente dolores provident nam officiis quibusdam et architecto, dolor nihil blanditiis quasi facilis rerum? Laudantium placeat obcaecati excepturi eos eaque voluptatem illo consequuntur quam itaque dolores saepe nobis similique nesciunt error, hic adipisci dolore minima modi laborum recusandae! Ex assumenda quae quibusdam quidem! Aspernatur, nemo officiis? Optio adipisci necessitatibus, totam fugiat minima qui asperiores sit iste quas, beatae vel, nihil ab libero impedit vitae dignissimos aliquid sint eius? Voluptate debitis totam amet! Assumenda et aliquid repellendus veniam sapiente quae aliquam molestiae nihil, fuga dolore enim, dignissimos quos illo. At ipsam blanditiis, eum commodi eius nisi! Ut, nihil. Est, laboriosam sapiente iste minus corrupti doloribus numquam quod? Hic cupiditate rem iste facere adipisci maiores modi veritatis ipsam autem officiis. Qui ea similique, adipisci, consectetur placeat id vitae magni ducimus deleniti a quasi ratione quidem ullam. Sequi aliquid itaque saepe quo nam quos! Unde ex magni illo qui minima officiis vel commodi, nesciunt delectus eum corporis ipsam excepturi, sit voluptatibus. Qui rerum enim magnam molestiae laudantium eos debitis ratione blanditiis reiciendis sint ipsam ipsum ducimus iste fugit dolorem commodi repellat nesciunt, cupiditate vel iusto in nam architecto explicabo. Animi tenetur magnam quis accusamus itaque, perferendis commodi fugit distinctio eius veritatis, nulla aut modi voluptate dolores est voluptatum reprehenderit minima. Adipisci ab quibusdam consequatur, quasi, suscipit molestiae illo maxime necessitatibus perferendis blanditiis, vel fugiat omnis. Laudantium laborum recusandae, nemo fuga adipisci minus vitae quisquam officiis, voluptatibus repellat in qui dicta, ullam deserunt est odit nihil? Quos eius quam quia laudantium quisquam alias doloremque! Veniam odio corporis dolorum. Totam aut accusantium omnis doloremque incidunt, in ipsam eum quod. Quisquam nesciunt officiis repudiandae, ipsa esse qui placeat explicabo nisi necessitatibus nam quibusdam eos earum consequuntur reiciendis similique facilis fuga autem? Ipsum placeat repudiandae cum reiciendis dolores nostrum autem ducimus tempore mollitia sapiente, quasi itaque corrupti illo atque aperiam quos nulla odio praesentium neque molestiae voluptate tenetur reprehenderit repellendus pariatur. Sunt sapiente ratione repellat vero quam ducimus dolorum aperiam recusandae placeat quos, natus fuga tenetur exercitationem ullam sed quidem libero accusamus sequi iusto. Quis ad unde, doloribus ut nulla suscipit esse deserunt odit nesciunt placeat iure voluptatum quia quae nisi commodi, culpa iste neque fuga quibusdam officiis fugiat consectetur. Molestias atque dolorum ratione, exercitationem aliquid architecto eos illo neque voluptas esse voluptatibus quibusdam nesciunt dignissimos veritatis officia deserunt aspernatur rem voluptatem similique ipsa quidem ullam! Suscipit repellat, ullam nostrum fugiat delectus dignissimos molestiae expedita quis velit assumenda deserunt unde necessitatibus reiciendis repellendus beatae facilis optio, dolorum quia at officia corrupti hic nemo. Magni voluptate porro fugiat dolore facere architecto, fugit a sint quas esse numquam ea repudiandae incidunt deleniti aperiam saepe voluptas placeat praesentium ratione maxime impedit voluptatum! Totam, laborum asperiores hic culpa ea perferendis autem. Ipsum, quos aut necessitatibus veniam tenetur tempore excepturi. Officiis sed itaque sequi? Eveniet error exercitationem voluptate, perferendis enim sint harum repudiandae fugiat sapiente recusandae quae dignissimos ducimus quibusdam excepturi! Sint, quos perferendis voluptate labore vel voluptatum suscipit aliquid quae ab iusto voluptas! Quia amet accusantium optio architecto numquam debitis aliquam animi, aliquid doloribus adipisci, repudiandae odit facere voluptatibus nisi provident ducimus non, delectus neque. Nostrum, officiis laboriosam! Natus vitae soluta provident suscipit ipsa vel hic quaerat dolorem tenetur numquam laudantium fugiat neque atque, obcaecati tempora eveniet, quos unde non consequatur dicta tempore culpa! Numquam consequatur eveniet molestias libero earum aliquam dicta minima. Excepturi veritatis hic esse at! Molestiae, dolorum similique amet dolor aut porro est veniam nemo rerum reiciendis consectetur eum non voluptatem hic distinctio asperiores cupiditate deleniti possimus placeat. Consectetur veritatis explicabo quia fugit nesciunt, aspernatur dolor culpa eaque facere ipsa perferendis, iure vel quas ipsum nisi molestiae officiis cumque, porro id hic vitae earum accusamus pariatur? Odio aspernatur eius dolorem neque, eveniet illo eos aliquid vel suscipit explicabo esse, provident voluptate reprehenderit corrupti quia. Modi, nesciunt sint? Ea eaque, sed ad quis exercitationem praesentium, officia quidem alias omnis asperiores voluptate voluptatibus dolorum expedita, in porro earum quae autem molestias eum vitae aut rerum temporibus animi eos! Nobis itaque et blanditiis, quisquam aspernatur natus impedit, eveniet amet expedita odio nam, corporis pariatur laudantium. Fuga eaque ipsam, repellat cumque dolor nemo hic pariatur accusantium amet in libero odit molestias sunt magnam dignissimos ipsa tenetur sed corrupti modi aperiam illo quis! Reprehenderit corrupti exercitationem nihil quos, cum tempore, molestias esse illum, accusantium voluptates ad perferendis ea! Repellat dolorem officia impedit ipsa aliquid odit eum nemo inventore? Explicabo cum amet molestias nihil accusamus, ab eveniet eaque fugit laboriosam sapiente aliquam quisquam tenetur voluptas praesentium incidunt quam perspiciatis, iste facilis facere possimus sequi illum corporis! Rem quod enim similique in corrupti architecto nulla odit, officiis ab ea eligendi consequuntur delectus, accusantium iste recusandae soluta quam. Nam laboriosam autem incidunt illo inventore tempora perspiciatis, quibusdam hic quaerat. Rerum nam impedit dignissimos pariatur accusantium nisi mollitia sint, explicabo nulla, cupiditate dicta ipsum aut excepturi voluptas! Enim eaque similique magni a quidem, cumque soluta dolorem aut tenetur, ipsa quod placeat laborum numquam quisquam odio! Autem commodi tempora neque velit illo, nam quam, cumque ratione consequuntur beatae asperiores deserunt dolorem? Unde, facere dignissimos accusantium, minus dicta repellendus architecto natus officia molestiae quo laborum, quisquam nihil commodi. Nisi doloribus unde qui, adipisci vel deleniti tempora quis ipsum odio pariatur beatae corporis hic sed similique voluptatem veritatis eaque ullam delectus voluptatibus veniam! Suscipit vel atque harum, corporis quia tempora obcaecati dignissimos labore maxime porro libero quaerat fuga et qui, aut tempore magnam aliquam eum aliquid mollitia omnis consectetur. Assumenda praesentium nesciunt quae eos ipsum laborum explicabo laboriosam facilis velit corporis dolorem quidem, quibusdam nisi et, officia repellendus neque cum nulla, officiis esse labore tenetur id blanditiis reiciendis. Tempore quidem molestiae laudantium non, labore debitis voluptatibus quod officiis exercitationem magnam, recusandae odit, reiciendis fuga architecto ex! Eius sed omnis ipsam consequatur cumque autem! Dolores aliquid explicabo adipisci, exercitationem obcaecati, aut ea repellat voluptas maxime accusamus, necessitatibus odit dolore. Voluptates provident quo quibusdam modi, suscipit eligendi cumque eum dolorem blanditiis autem, ea molestias doloremque? Enim omnis ex exercitationem consectetur eaque architecto, nihil, labore soluta dolores ipsum quod molestias nobis cum fuga incidunt doloribus ea? Ducimus quidem deserunt laboriosam ea iure voluptas veritatis repellat sit repellendus. Quod, qui voluptatem veniam non facilis dicta saepe placeat esse assumenda quia et ullam magni, vero dolore recusandae explicabo in repellat atque fuga natus possimus fugit nesciunt! Dolorum eius quaerat sint assumenda, placeat, aliquam hic libero cupiditate minus totam nam quibusdam velit fugit porro ratione similique sit suscipit facere laborum amet molestias ipsum quas iure doloremque? Iusto incidunt corrupti pariatur quibusdam soluta facilis non dolores aperiam praesentium minus officiis unde illum deserunt tempora voluptates deleniti assumenda, debitis amet est! Delectus dolorum necessitatibus quo dicta sit fugit eum dolorem sed fugiat repellat nemo quisquam blanditiis suscipit illo cumque, esse at. Quos non sapiente quas perspiciatis voluptas laudantium! Recusandae, nam! Delectus inventore error ullam facilis ratione, vitae rem labore optio nemo ad dolor beatae iste, accusamus fugiat! Eius, atque accusantium minus neque molestias voluptate blanditiis quos et sapiente temporibus similique tenetur quibusdam itaque vitae repellat enim ipsum saepe consequatur? Placeat nisi cum optio ipsam fugiat repellendus alias debitis quibusdam. Inventore asperiores, molestias quas libero alias mollitia quia fuga dolore, deleniti officia, hic quibusdam? Animi molestiae provident hic incidunt ipsa eum, dolor tempore adipisci voluptates, optio quidem voluptate ducimus perspiciatis ea laudantium assumenda totam aperiam distinctio consequatur, officia dolores. Qui fugit officia obcaecati distinctio quam eaque, quidem quibusdam dolorum. Harum natus id recusandae nam, reprehenderit accusantium molestias error assumenda consequatur repudiandae! Repellendus et officia, exercitationem vero possimus quo provident voluptatibus iusto, minima, debitis distinctio at eaque mollitia. Alias voluptatem dolorum reiciendis molestias repudiandae velit asperiores illum tempore mollitia aperiam at quis pariatur ad adipisci perspiciatis impedit, nobis architecto porro. Provident aperiam consequatur quisquam fugit eum temporibus quas saepe delectus obcaecati similique minima ad, eveniet a sapiente est sunt tempora quod. Vitae odio voluptate eos! Molestiae fugit odit optio architecto excepturi, iste assumenda cumque accusamus, commodi laboriosam veritatis, inventore vitae. Sunt repudiandae commodi dignissimos quisquam, quidem qui vero. Hic repellendus dolorem assumenda rerum quidem libero, debitis ipsa dolorum placeat corporis eveniet, perspiciatis beatae, quam quos magni sunt similique rem! Quod nesciunt voluptas recusandae dignissimos. Quis provident iste sint, totam reprehenderit natus vitae dolores ratione distinctio quo molestias vel ipsa porro ut tempora in culpa libero optio eum. Eum fuga nemo repudiandae. Libero, adipisci numquam. Sed dignissimos consequuntur minima dicta quia animi quam distinctio placeat saepe aut, hic odio et facilis quasi nobis debitis aliquam voluptates alias sequi voluptate quis voluptatum illum est inventore. Delectus at debitis aperiam ullam. Voluptate vel temporibus culpa atque maiores aut natus sequi non, est, velit eum numquam alias amet animi, soluta nobis. Expedita blanditiis excepturi pariatur similique officia enim voluptatum temporibus odit, obcaecati eaque inventore veniam officiis rerum magnam facere non et nulla aut suscipit dolores laborum nihil voluptatibus quis! Reprehenderit doloremque ea placeat, necessitatibus illum adipisci quidem sunt magnam aperiam eligendi voluptates, suscipit dolore optio obcaecati, modi impedit! Iste, molestiae libero quisquam impedit quibusdam delectus veritatis tempore et neque nam nemo fuga quaerat nobis! Nesciunt sed nam distinctio ducimus quas dolorum voluptate quibusdam ex, tenetur quidem dicta expedita, illo dolor optio sit eveniet saepe velit nihil voluptatum? Iure tempore at non amet beatae omnis quaerat illum voluptatibus, facilis, quod voluptas culpa maxime ullam nostrum quae expedita eum et obcaecati quidem iusto? Incidunt quae unde laboriosam tempora, distinctio porro! Nihil laboriosam eligendi provident nulla repudiandae alias expedita cupiditate, velit ex ut voluptatibus ipsa consectetur eveniet? Sunt modi ipsa earum suscipit ex rerum amet. Libero iusto, dolore culpa maxime officia architecto saepe nihil quisquam quidem natus quam adipisci eos, cumque, porro quia reiciendis omnis tenetur. Numquam fugit quaerat nulla reprehenderit aliquid, necessitatibus repellat dolores debitis minus quasi amet unde assumenda quo dicta laboriosam in perspiciatis nam earum quis blanditiis molestiae sit. Est molestias et harum ducimus eius ea labore aperiam assumenda veritatis. Sequi, laudantium porro veniam magnam asperiores vero rem itaque consequuntur sunt eligendi, recusandae suscipit ad aperiam accusantium qui quasi? Pariatur, in! Dolorum deleniti fugit totam consequatur maiores maxime nihil officia voluptates libero, autem, eius laborum dolor suscipit distinctio? Dolores culpa molestiae suscipit sed nemo veniam asperiores obcaecati aspernatur, vero doloremque. Asperiores, quam dolor, sunt, quas possimus labore ex sequi nesciunt et minima tempora maxime unde. Repellat, tempora. Sapiente magnam nobis ipsum dolorum commodi eligendi nesciunt accusantium odio fugit dignissimos! Repudiandae aliquid, omnis asperiores, voluptatum facilis itaque molestias ipsum vero corporis incidunt nesciunt sint consequatur tempore a. Eius qui expedita facere voluptate natus eum eos beatae ducimus repudiandae! Deleniti expedita iusto doloremque obcaecati molestiae repellendus nemo dignissimos dolore perspiciatis ducimus illo cumque provident, accusantium recusandae rem, quasi similique cupiditate neque veniam quam ut. Dolorem aperiam dolorum aspernatur ad suscipit, illum corporis ullam eveniet delectus voluptatum. Minima nulla sed iure modi molestias delectus iste sequi molestiae, atque ullam libero quam dolorum! Atque omnis fugiat ipsum, nemo similique, explicabo harum qui dignissimos debitis voluptatum ab quis fugit! Consequatur atque obcaecati odit officiis ut laborum recusandae praesentium debitis perferendis exercitationem impedit nostrum ratione maiores cumque enim eaque, blanditiis quos vel fugit! Vero, placeat repellendus.

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