

## JQuery Effects

jQuery Effects

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### Effect toggle()

Jika animasi **fade** memiliki **fadeToggle** untuk menampilkan/menyembunyikan elemen dengan efek *fade*, maka untuk **show()** dan **hide()** ini juga memiliki fungsi untuk melakukan keduanya sekaligus, yaitu **effect toggle()**.

Penulisan kode untuk animasi **toggle()** ini secara umum dituliskan seperti berikut:

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

### Contoh Penerapan:

```
<button>Toggle</button>
<p>Coba efek toggle</p>

<script>
```



```
kuis08.html x  kuis8.js
html-css, JQuery, JS > JS-JQuery > Kuis08 >  kuis08.html >  html >  body >  button#slideDown
1  <!-- Isi kuis07.js dengan minimal terdapat 5 penerapan jQuery Events yang sudah kamu pelajari sebelumnya
2
3  <!DOCTYPE html>
4  <html lang="en">
5  <head>
6      <meta charset="UTF-8">
7      <meta name="viewport" content="width=device-width, initial-scale=1.0">
8      <title>kuis08</title>
9      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
10     <script type="text/javascript" src="kuis8.js"></script>
11 </head>
12 > <style>...
53 </style>
54
55 <body>
56     <div id="container">
57         <p>
58             <strong>
59                 kuis08
60             </strong>
61         </p>
62     </div>
63
64     <div class="box">
65     </div>
66
```

kuis08.html

kuis8.js



html-css, JQuery, JS &gt; JS-JQuery &gt; Kuis08 &gt; kuis8.js &gt; ready() callback

```
1  $(document).ready(function() {
2      // Hide Effect
3      $("#hide").on('click', function() {
4          $(".box").hide(1000);
5      });
6
7      // Show Effect
8      $("#show").on('click', function() {
9          $(".box").show(1000);
10     });
11
12     // Fade In Effect
13     $("#fadeIn").on('click', function() {
14         $(".box").fadeIn(1000);
15     });
16
17     // Fade Out Effect
18     $("#fadeOut").on('click', function() {
19         $(".box").fadeOut(1000);
20     });
21 }
```

### Method Chaining: addClass() + removeClass()

*Method chaining* berarti menuliskan beberapa *method* dalam 1 baris, agar penulisan kode kita menjadi lebih efisien. Perhatikan kode berikut:

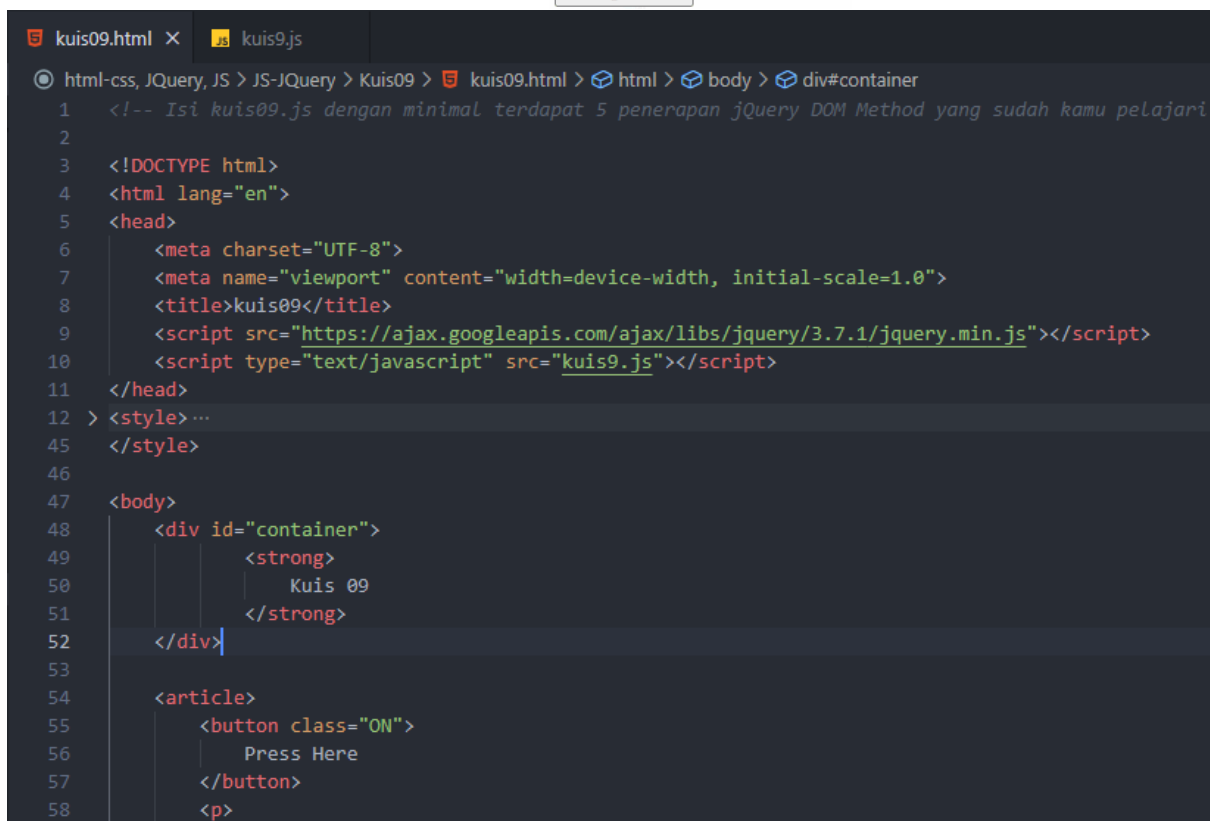
```
$('.p').removeClass('text-red');  
$('.p').addClass('text-underline');
```

Kode tersebut tampak kurang efisien karena dituliskan dalam 2 baris. Nah, kita dapat menggunakan konsep *method chaining* ini untuk mempersingkat penulisannya menjadi seperti berikut:

```
$('.p').removeClass('text-red').addClass('text-underline');
```

Hasil:

Change Class



```
kuis09.html x  JS  kuis9.js  
html-css, JQuery, JS > JS-JQuery > Kuis09 >  kuis09.html >  html >  body >  div#container  
1  <!-- Isi kuis09.js dengan minimal terdapat 5 penerapan jQuery DOM Method yang sudah kamu pelajari  
2  
3  <!DOCTYPE html>  
4  <html lang="en">  
5  <head>  
6    <meta charset="UTF-8">  
7    <meta name="viewport" content="width=device-width, initial-scale=1.0">  
8    <title>kuis09</title>  
9    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>  
10   <script type="text/javascript" src="kuis9.js"></script>  
11  </head>  
12  <style>...  
45  </style>  
46  
47  <body>  
48    <div id="container">  
49      <strong>  
50        Kuis 09  
51      </strong>  
52    </div>  
53  
54    <article>  
55      <button class="ON">  
56        Press Here  
57      </button>  
58    <p>
```

```

$(document).ready(function() {
    //ganti style
    $('button.ON').click(function() {
        $('p').addClass('class1');
    });

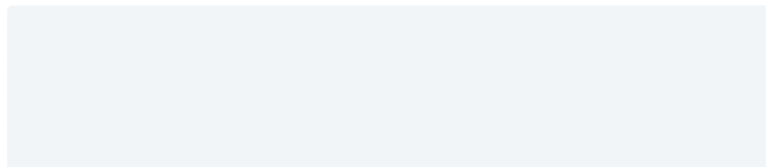
    //hapus gambar
    $('button.IMG').click(function() {
        $('.inner2').remove();
    });

    //cek kelas gambar
    $('button.CHK').click(function() {
        alert($('img').hasClass('gambar'));
    });

    //tambah gambar dibawah
    $('button.ADD').click(function() {
        $('.question').prepend(' untuk melakukan ini.

Pertama, silakan *download file template* HTML yang sudah kami siapkan di sini: <https://pastebin.com/ZCKJnwE3>.

Setelah *file* tersebut kamu *download*, silakan buka pada *browser*, dan akan muncul tampilan seperti berikut:



```
kuis10.html x  js  cuis10.js
html-css, JQuery, JS > JS-JQuery > Kuis10 > cuis10.html > html > head > meta
1  <!-- Please search for free APIs on the internet and fill the quiz10.js with AJAX code, with th
2
3  Retrieve the data returned by the API.
4  Display the data back to the web that you created. -->
5
6  <!DOCTYPE html>
7  <html lang="en">
8  <head>
9      <meta charset="UTF-8">
10     <meta name="viewport" content="width=device-width, initial-scale=1.0">
11     <title>kuis10</title>
12     <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
13     <script type="text/javascript" src="kuis10.js"></script>
14 </head>
15 <style>
16     body {
17         margin: 0px;
18         font-family: system-ui, -apple-system, BlinkMacSystemFont, 'Segoe UI', Roboto, Oxygen,
19         'Helvetica Neue', sans-serif;
20         background-color: #e0e0e0;
21     }
22     article {
23         margin: 10px;
24     }
25
```

```
kuis10.html  js  cuis10.js x
html-css, JQuery, JS > JS-JQuery > Kuis10 > cuis10.js > ready() callback > click() callback > error
1  $(document).ready(function() {
2      $('#get-weather-btn').click(function() {
3          var city = $('#city-input').val();
4          var apiKey = 'your_openweather_api_key'; // replace with your OpenWeatherMap API key
5          var url = 'http://api.openweathermap.org/data/2.5/weather?q=' + city + '&appid=' + 'b3a18eef0c1
6
7          $.ajax({
8              url: url,
9              type: 'GET',
10             success: function(data) {
11                 var weatherData = 'City: ' + data.name + '<br>' +
12                 'Temperature: ' + Math.round(data.main.temp - 273.15) + '°C<br>' +
13                 'Humidity: ' + data.main.humidity + '%<br>' +
14                 'Description: ' + data.weather[0].description;
15                 $('#weather-result').html(weatherData);
16             },
17             error: function() {
18                 $('#weather-result').html('An error occurred.');
```

## Showcase / Presentasi

### Weather Forecast

City: Jakarta  
Temperature: 27°C  
Humidity: 97%  
Description: moderate rain

City: Sydney  
Temperature: 23°C  
Humidity: 65%  
Description: broken clouds

City: London  
Temperature: 8°C  
Humidity: 82%  
Description: overcast clouds

City: Paris  
Temperature: 11°C  
Humidity: 85%  
Description: overcast clouds

City: Milan  
Temperature: 10°C  
Humidity: 85%  
Description: few clouds

City: Nevada  
Temperature: 2°C  
Humidity: 53%  
Description: overcast clouds

City: Jatiwaringin  
Temperature: 27°C  
Humidity: 97%  
Description: moderate rain

*<!-- Create a simple web application using a combination of HTML, CSS, and JavaScript and/or jQuery as discussed, as follows.*

*Variables. (udah)*

*Conditional blocks (covered in Controls and Selection). (udah)*

*Functions. (udah)*

*jQuery Events. (udah)*

*jQuery + DOM. (udah)*

*AJAX. (udah)*

*The six features above must be present in the web application you create. -->*

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>kuis10</title>
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
  <script type="text/javascript" src="TA.js"></script>

  <link rel="stylesheet" href="TA.css">
</head>
```

html-css, JQuery, JS > JS-JQuery > TA > TA.css > #weather

```
1  body {
2    margin: 0px;
3    font-family: system-ui, -apple-system, BlinkMacSystemFont,
4      'Helvetica Neue', sans-serif;
5    background-color: #e0e0e0;
6  }
7
8  article {
9    margin: 10px;
10 }
11
12 #container {
13   background-color: #006797;
14   color: white;
15   font-size: 36px;
16   padding-top: 2px;
17   padding-left: 5%;
18 }
19
20 #weather {
21   width: 290px;
22   height: 200px;
23   margin: 0 auto;
```

```

// token API gua
// b3a18eef0c2a967104386b2ad4585956
$(document).ready(function() {
    function getWeather() {
        // VAR
        var city = $('#city-input').val();
        var apiKey = 'b3a18eef0c2a967104386b2ad4585956'; //tempat
        var url = 'http://api.openweathermap.org/data/2.5/weather?c

        //AJAX
        $.ajax({
            url: url,
            type: 'GET',
            success: function(data) {
                var tempC = Math.round(data.main.temp - 273.15);
                var weatherData = 'City: ' + data.name + '<br>' +
                    'Temperature: ' + tempC + '°C<br>' +
                    'Humidity: ' + data.main.humidity + '%<br>' +
                    'Description: ' + data.weather[0].description + '<br>';
                $('#weather-result').hide().html(weatherData).fadeIn(1000);
            },
            error: function() {
                $('#weather-result').hide().html('An error occurred');
            }
        });
    }
});

```