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A close-up photograph of a person's hands with red-painted fingernails, typing on a dark-colored laptop keyboard. The background is blurred, showing more of the hands and the keyboard.

Web Programming: JQuery

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What JQuery is



Client Side



Server Side





What is JQuery?

“a fast, small, and
feature-rich **JavaScript**
library”



```
$( "button.continue" ).html( "Next Step..." );  
  
var hiddenBox = $( "#banner-message" );  
$( "#button-container button" ).on( "click", function( event ) {  
    hiddenBox.show();  
});  
  
$.ajax({  
    url: "/api/getWeather",  
    data: {  
        zipcode: 97201  
    },  
    success: function( result ) {  
        $( "#weather-temp" ).html( result + " degrees" );  
    }  
});
```

What can **JQuery** do?



Simplify JavaScript: **Manipulate HTML**

```
$ ( "#continue" ).html( "Next Step..." );
```

```
$ ( '.header' ).text('Test');
```

```
var str = $ ( "p" ).first().text();
```

```
alert( $( "#single" ).val() );
```

See <https://jquery.com> for more examples.

What can **JQuery** do?



Simplify JavaScript: **Events Handling**

```
$ ("#btnA" ).on( "click", function( event ) {  
    // action  
} );  
  
$ ( "li" ).hover(  
    function() {  
        $( this ).append("on hover");  
    }  
);
```

What can **JQuery** do?



Special Effects

```
$ ( "#book" ) .fadeIn ( "slow" );
```

```
$ ( "span" ) .hide ( 2000 );
```

```
$ ( ".content" ) .slideDown ( "slow" );
```

What can **JQuery** do?



AJAX

```
$.ajax( {  
    url: "/api/getWeather",  
    data: {  
        zipcode: 97201  
    },  
    success: function( result ) {  
        $("#weather-temp").html(result+"degrees");  
    }  
} );
```



JQuery Usage

How to use JQuery to HTML



A screenshot of a web browser window showing the jQuery website (jquery.com) with a "#BlackLivesMatter" overlay.

The browser's top bar includes standard icons for back, forward, search, and refresh, along with a lock icon and a URL field containing "jquery.com". Below the top bar are several small blue square icons.

The main content area features a large white "#BlackLivesMatter" text centered over a dark background. Below it is a message: "To Donate, see this [list of organizations to support](#) from [Reclaim the Block](#)".

On the left side, the "jQuery" logo is displayed with the tagline "write less, do more." Below the logo are navigation links: Download, API Documentation, Blog, Plugins, and Browser Support. To the right of these links is a search bar with a magnifying glass icon.

On the right side, there is a blue heart-shaped button containing the jQuery logo, with the text "Your donations help fund the continued development and growth of jQuery." Below this is a yellow button labeled "SUPPORT THE PROJECT".

The bottom section contains four promotional cards:

- Lightweight Footprint**: Features an icon of a cube and the text: "Only 30kB minified and gzipped. Can also be included as an AMD module".
- CSS3 Compliant**: Features an icon of a stylized 'S' and the text: "Supports CSS3 selectors to find elements as well as in style property manipulation".
- Cross-Browser**: Features an icon of a globe with arrows and the text: "Chrome, Edge, Firefox, IE, Safari, Android, iOS, and more".
- Download jQuery v3.5.1**: An orange call-to-action button with a download icon, the text "Download jQuery v3.5.1", and the note "The 1.x and 2.x branches no longer receive patches". Below this are links to "View Source on GitHub →" and "How jQuery Works →".

Attach JQuery to Your HTML Documents



Option #1

Use online resources

```
1 ▼ <html>
2 ▼   <head>
3     <script src="https://code.jquery.com/jquery-3.5.1.min.js" integrity="sha256-9/aliU8dGd2tb60SsuzixeV4y/faTqgFtohetphbbj0=" crossorigin="anonymous"></script>
4     <script src="bootstrap-4.5.3-dist/js/bootstrap.min.js"></script>
5     <script src="contoh.js"></script>
6     <link href="bootstrap-4.5.3-dist/css/bootstrap.min.css" rel="stylesheet"
7           type="text/css">
8     <link href="contoh.css" rel="stylesheet" type="text/css">
9   </head>
  <body>
```

Attach JQuery to Your HTML Documents



Option #2

Download the resources

```
1 ▼ <html>
2 ▼   <head>
3     <script src="jquery-3.5.1.slim.min.js"></script>
4     <script src="bootstrap-4.5.3-dist/js/bootstrap.min.js"></script>
5     <script src="contoh.js"></script>
6     <link href="bootstrap-4.5.3-dist/css/bootstrap.min.css" rel="stylesheet"
7           type="text/css">
8     <link href="contoh.css" rel="stylesheet" type="text/css">
9   </head>
  <body>
```

Use JQuery on External JS File



```
1 var isHide = false;
2
3 ▼ $( document ).ready(function() {
4 ▼   $('#mouse-over').on( "click", function( event ) {
5 ▼     if (isHide){
6       $('#header').slideDown('slow');
7       isHide = false;
8 ▼     }else{
9       $('#header').slideUp('slow');
10      isHide = true;
11    }
12  });
13});
```

Discussion

Any Question?



REFERENCES

<https://jquery.com/>

