8.2 Introduction to jQuery


```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
```

- This is the Bootstrap CDN. Copy-paste these to your HTML's `<head>` to get access to jQuery 3.6.

```
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css"/>
```
```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
```
```
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>
```

- Alternatively, you can this CDN , which also includes Bootstrap.

- **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 DOM manipulation.
- The jQuery library contains the following features:
  - HTML/DOM manipulation
  - CSS manipulation
  - HTML event methods
  - Effects and animations
- jQuery is one the most popular JavaScript libraries, and also the most extendable.

- Many of the biggest companies on the Web use jQuery, such as Google, Microsoft, IBM, and Netflix

How to use jQuery

- 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
- 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)

Using the jQuery CDN

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

```
<head>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
</head>
```

- You can also use jQuery with Bootstrap.

```
<link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap@5.2.0/dist/css/bootstrap.min.css"/>
<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min.js"></script>
```

Additional Material

- **Learn more**
  - W3Schools
- **Recommended watch**

The Legend of jQuery in 100 Seconds