



Bootstrap Basics

What is Bootstrap Framework?

Bootstrap is a combination of HTML, CSS, JavaScript JS and jQuery made framework used for designing of website. It includes libraries and classes which we used to make website responsive and better.

Pre-requisites of Bootstrap

You must have basic knowledge of HTML, CSS and JS before starting bootstrap because it includes ready made themes or classes which use combination of all these languages.

Creators History of Bootstrap

Bootstrap was originally developed by Mark Otto and Jacob Thornton, both of whom were working at Twitter at the time. The project started in 2010 as an internal tool to help streamline development across Twitter's platforms, and it was later released as an open-source project in 2011.

As of now, Bootstrap is an open-source project, and it is no longer owned by Twitter or any single entity. Instead, it is maintained by a group of open-source developers, including its original creators, with contributions from the broader web development community. The project is hosted on GitHub, where anyone can contribute to its development.

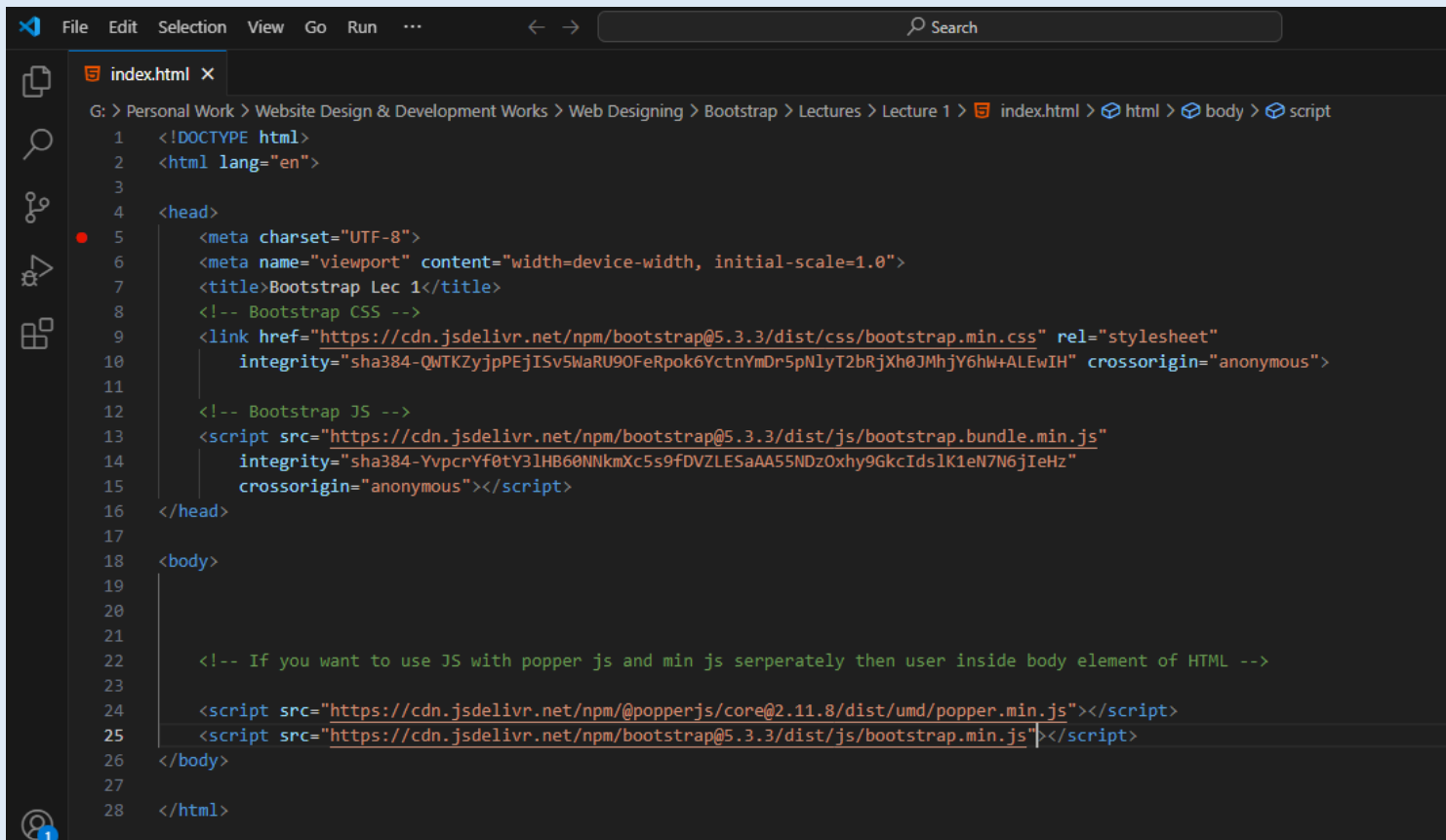
URL of Bootstrap

<https://getbootstrap.com/>

Local Environment Setup Using CDN

To connect Bootstrap with your HTML file. We can this through by using Content Delivery Network Link CDN which access all classes and libraries online.

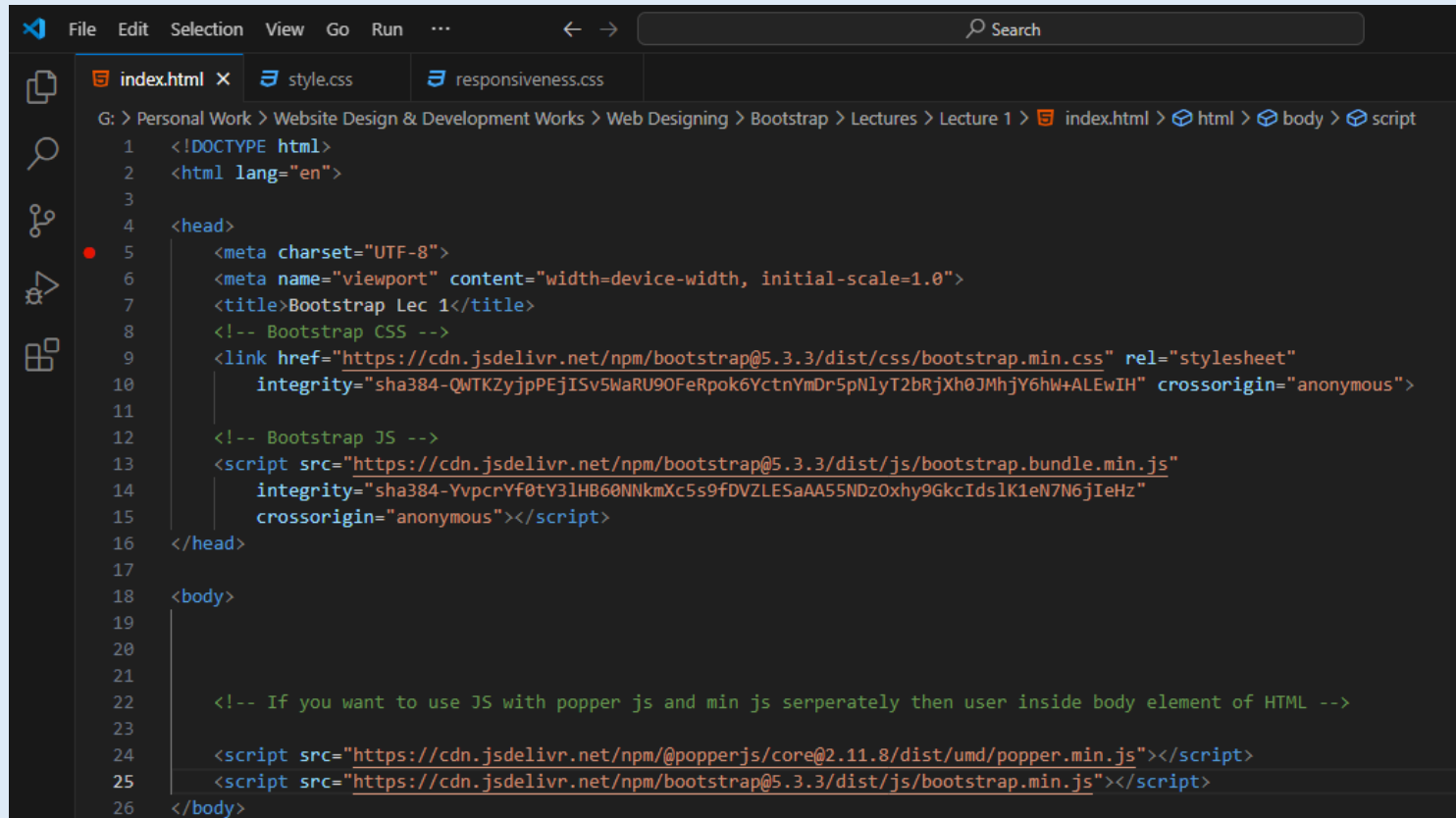
Here is the link to get CDN online: <https://getbootstrap.com/docs/5.3/getting-started/download/>



```
File Edit Selection View Go Run ... Search
index.html X
G: > Personal Work > Website Design & Development Works > Web Designing > Bootstrap > Lectures > Lecture 1 > index.html > html > body > script
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <head>
5   <meta charset="UTF-8">
6   <meta name="viewport" content="width=device-width, initial-scale=1.0">
7   <title>Bootstrap Lec 1</title>
8   <!-- Bootstrap CSS -->
9   <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet"
10     integrity="sha384-QWTKZyjpPEjISv5WaRU90FeRpok6YctnYmDr5pNlyT2bRjXh0JMhJY6hW+ALEwIH" crossorigin="anonymous">
11
12   <!-- Bootstrap JS -->
13   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js"
14     integrity="sha384-YvpcrYf0tY3lHB60NNKmXc5s9fDVZLE5aAA55NDz0xhy9GkcIdslK1eN7N6jIeHz"
15     crossorigin="anonymous"></script>
16 </head>
17
18 <body>
19
20
21
22   <!-- If you want to use JS with popper js and min js serperately then user inside body element of HTML -->
23
24   <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd/popper.min.js"></script>
25   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.min.js"></script>
26 </body>
27
28 </html>
```

Creating own Custom CSS files for color/styling and responsiveness

We connected all Bootstrap CDNs in our main HTML file i.e. index.html and now create custom style.css and responsive.css files for styling and responsiveness.

A screenshot of a code editor with a dark theme. The editor shows the 'index.html' file with the following content:

```
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14     integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDz0xhy9GkcIdslK1eN7N6jIeHz"
15     crossorigin="anonymous"></script>
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22   <!-- If you want to use JS with popper js and min js serperately then user inside body element of HTML -->
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24   <script src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.11.8/dist/umd/popper.min.js"></script>
25   <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.min.js"></script>
26 </body>
```

The editor's interface includes a menu bar (File, Edit, Selection, View, Go, Run), a search bar, and a breadcrumb trail: G: > Personal Work > Website Design & Development Works > Web Designing > Bootstrap > Lectures > Lecture 1 > index.html > html > body > script.