**Library**

Library is a collection of pre-written code modules, functions, or classes that developers can use to perform specific tasks or solve common problems. These libraries are designed to be reusable and often focus on providing functionality for specific areas of development.

**Framework**

In web development a framework is a pre-established collection of libraries, tools, and conventions that provide a structured foundation for building web applications.

**Bootstrap** Bootstrap is a popular front-end CSS framework that simplifies the process of building responsive and mobile-first websites and web applications. Here are some brief notes on Bootstrap.

Lets simplify

Imagine you're building a house. You could start from scratch every time, measuring and cutting each piece of wood, designing the layout, and so on. Or you could use a pre-designed blueprint with ready-made parts that you just assemble together. Bootstrap is like that blueprint for websites.

**Features of bootsrap**

\* Responsive Design

\* Pre-designed Components

\* Mobile-first Approach

\* Cross Browser Compatibility

\* Community and Ecosystem

\* Js plugins

\* Integrating with js frameworks

**How to integrate bootstrap**

1. **By downloading the bootstrap**’

**Download Bootstrap**: Visit the Bootstrap website (<https://getbootstrap.com/>) and download the latest version of Bootstrap.

**Include Bootstrap files in your HTML document**:

* If you downloaded the files, unzip the package and copy the **bootstrap.min.css** file (located in the **css** folder) into your project's CSS directory.
* Similarly, copy the **bootstrap.min.js** file (located in the **js** folder) into your project's JavaScript directory

<!-- CSS -->

<link **href="./css/bootstrap.min.css**" rel="stylesheet">

<!-- JavaScript (optional) -->

<script **src="./js/bootstrap.bundle.min.js**"></script>

**2.**                   **By cdn link (easy way)**

By using  the Bootstrap CDN by adding the following lines in the **<head>** section of your HTML document:

<link href="https://stackpath.bootstrapcdn.com/bootstrap/5.3.0/css/bootstrap.min.css" rel="stylesheet">

<script src="https://stackpath.bootstrapcdn.com/bootstrap/5.3.0/js/bootstrap.bundle.min.js"></script>

**3.**                   **By npm**

npm install bootstrap