

LEARN BOOTSTRAP

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1) What is bootstrap?

- Bootstrap is a CSS Framework.
- Imagine the website you are building is a house. HTML is the bricks, the cement, and the beams that define the basic shape of the house and the furniture. CSS is the tool for describing how the walls, the doors, and the rest of the furniture look like. JavaScript is like electricity and running water that make the house dynamic, interactive, and hospitable.
- Bootstrap is an extension of CSS that incorporates pre-defined styles for a wide range of elements. Bootstrap also makes it easy to build responsive websites. Bootstrap includes JS too but we need not worry about it as of now.
- Responsive websites are sites that resize dynamically according to changing screen sizes. This used to be considered a luxury previously but has become a standard feature that is mandatory on almost all websites.

2) How do I learn bootstrap?

- The best way to learn Bootstrap (just like anything else) is to use Bootstrap components in a website you are making.
- Let's say you want to use a navbar on your website. The best approach is to search of "Navbars" inside the documentation.
- Bootstrap v4-alpha documentation:
<https://v4-alpha.getbootstrap.com/getting-started/introduction/>
- Bootstrap v4 documentation:
<https://getbootstrap.com/docs/4.0/getting-started/introduction/>

3) What was the magic thing that made typing HTML very fast?

- Typing HTML may seem to be redundant and repetitive.
- Emmet is a plugin available on all major text editors (Atom, VSCode, Sublime) that makes typing trivial HTML streamlined and fast.
- Emmet can be installed on your favourite text editor from here:
<https://emmet.io>

4) Which version of Bootstrap to use, v4 or v4-alpha?

- For the most part, it does not matter whether you are using "Bootstrap v4-alpha" or "Bootstrap v4".
- While Bootstrap v4 is newer in comparison to v4-alpha, a few bugs in v4 are yet to be fixed. (One of them being the dropdown in Navbars not working properly)
- v4-alpha on the other hand is virtually clean and almost all components work well. Thus, the best decision as of now would be to use Bootstrap v4-alpha while the newer version has its bugs fixed.

5) What did you use to pick colours for the website?

- Material UI is a quick and efficient way to pick the right combination of colours for your front end. It is widely used in Google's apps. WhatsApp on Android moved to Material UI more than a year ago.
- You can learn more about how to use Material UI and waste less time on picking the right colours on this link:
<https://material.io/guidelines/style/color.html>

6) What are Bootstrap columns?

- Bootstrap divides the webpage into 12 vertical columns. We use col- classes to define how wide we want the div to be on different sizes of screens.
- For instance:
col-lg-4: occupies 4 out of 12 columns (one third width) of the parent div on a large screen, like a laptop.

col-sm-6: occupies 6 out of 12 columns (one half width) of the parent div on a small screen, like a smartphone.

col-lg-6 col-md-12: occupies half of the width on large screens and the full width on medium screens.

-Note: if not mentioned, size rules apply on the larger sizes of screens as well. This means that col-md-4 applies on large screens if no other class for large screens is declared.