CSS

**Q1->What is CSS?**

[CSS](https://www.interviewbit.com/blog/types-of-css/) stands for Cascading Style Sheet. It’s a style sheet language that determines how the elements in the page are shown. CSS is used to develop a consistent look and feel for all the pages.

CSS was developed and is maintained by the World Wide Web Consortium. It was first released on December 17, 1996. The CSS Working group currently working with different browser vendors to add/enforce the new feature/ specifications in all the browsers.

CSS enables the separation of the content from the presentation. This separation provides a lot of flexibility and control over how the website has to look like. This is the main advantage of using CSS.

CSS3 or Cascading Style Sheets Level 3 is the third version of the CSS standard that is used to style and format web pages. CSS3 incorporates CSS2 standard with some improvements over it. The main change in CSS3 is the inclusion of divisions of standards into different modules that makes CSS3 easier to learn and understand.

### Q2-> What is the Box model in CSS?

### A rectangle box is wrapped around every HTML element. The box model is used to determine the height and width of the rectangular box. The CSS Box consists of Width and height , padding, borders, margin.

* Content**:**  Actual Content of the box where the text or image is placed.
* Padding: Area surrounding the content .
* Border: Area surrounding the padding.
* Margin: Area surrounding the border.

### Q3->What is the difference between inline, inline-block, and block?

**Block Element:** The block elements always start on a new line. They will also take space for an entire row or width. List of block elements are <div>, <p>.

**Inline Elements:** Inline elements don't start on a new line, they appear on the same line as the content and tags beside them. Some examples of inline elements are <a>, <span>, <strong>, and <img> tags.

**Inline Block Elements:** Inline-block elements are similar to inline elements, except they can have padding and margins and set height and width values.

### Q4-> What is a z-index, how does it function?

z-index is used for specifying the vertical stacking of the overlapping elements that occur at the time of its positioning. It specifies the vertical stack order of the elements positioned that helps to define how the display of elements should happen in cases of overlapping.

The default value of this property is 0 and can be either positive or negative. Apart from 0, the values of the z-index can be:

* Auto: The stack order will be set equal to the parent.
* Number: The number can be positive or negative. It defines the stack order.
* Initial: The default value of 0 is set to the property.
* Inherit: The properties are inherited from the parent.

# **Q5-> What is Bootstrap?**

* Bootstrap is the most popular HTML, CSS and JavaScript framework for developing a responsive and mobile friendly website.
* It is absolutely free to download and use.
* It is a front-end framework used for easier and faster web development.
* It includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many others.
* It can also use JavaScript plug-ins.
* It facilitates you to create responsive designs.
* Bootstrap was developed by Mark Otto and Jacob Thornton at Twitter.It was released as an open source product in August 2011 on GitHub.
* In June 2014 Bootstrap was the No.1 project on GitHub.

->Bootstrap Example:

1. <!DOCTYPE html>
2. <html lang="en">
3. <head>
4. <title>This is a Bootstrap example</title>
6. <meta name="viewport" content="width=device-width, initial-scale=1">
7. <link rel="stylesheet" href="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/css/bootstrap.min.css">
8. </head>
9. <body>
10. <div class="container">
11. <h1> First Bootstrap web page</h1>
12. <p>Write your text here.</p>
13. </div>
15. <script src="https://ajax.googleapis.com/ajax/libs/jquery/1.12.0/jquery.min.js"></script>
16. <script src="https://maxcdn.bootstrapcdn.com/bootstrap/3.3.6/js/bootstrap.min.js"></script>
17. </body>
18. </html>