

## HTML Basics & Document Structure

- Q. What is HTML? Differences between HTML & HTML5? Advantages of HTML5?
- Q. What is the difference between HTML and XHTML?
- Q. What is the role of DOCTYPE in HTML?
- Q. What if you remove `<!DOCTYPE html>` from your HTML?
- Q. Difference between Head & Body in HTML? Where to place JS link reference?
- Q. What is Title Tag in HTML? What are the 4 advantages of Title tag?
- Q. What are Meta Tags? What are the 5 types of meta tags?

## HTML Elements & Tags –Part I

- Q. What are HTML Elements? What is the difference between Element & Tag?
- Q. What are the roles and uses of the `<div>` element in HTML?
- Q. What is the difference between `<div>` and `<span>` element?
- Q. What is the role of `<p>`, `<a>`, `<br>`, `<hr>`, `<em>`, `<img>`, `<input>` & `<button>` elements?
- Q. What is the role of header, main, section, footer & address elements in HTML?
- Q. What is the role of Heading tags in HTML? How does it impact SEO?
- Q. What is the difference between `<section>` & `<article>` elements?

## HTML Elements & Tags –Part II

- Q. What are Root, Parent, Child & Nested elements?
- Q. What are Empty Elements?
- Q. What are Semantic Elements in HTML?
- Q. Can HTML tags be written in Uppercase?
- Q. What are the 3 differences between Block-Level & Inline Elements?
- Q. List all Block-Level & Inline Elements in HTML.

## HTML Attributes

- Q. What are HTML Attributes? What are the Types of HTML attributes?
- Q. What are the Id, Style & Class attributes of an element? When to use what?

Q. What will happen if two elements have same ids?

Q. How to specify Multiple Classes for single element? What is the style precedence?

Q. What are Data Attributes in HTML?

## HTML Links & Navigation

Q. What are the 5 Types of Links in HTML?

Q. What is the difference between Absolute & Relative URLs?

Q. What is the purpose of the <nav> element in HTML?

Q. What is a Fragment Identifier in a URL?

Q. What is the purpose of the <base> element in HTML.?

Q. How do you add an external stylesheet in your HTML?

Q. How do you open a link in a new tab?

Q. How do you create an Email Link?

## HTML Lists & Tables

Q. What are the different Types of Lists in HTML?

Q. What is a Nested List in HTML?

Q. What are table, tr, th, td elements? What are table advantages & disadvantages?

Q. What is the colspan attribute in HTML?

Q. What is the best way to add a border to a table, column and cell?

## HTML Images & Multimedia

Q. How to embed an Image in HTML? Why alt attribute is so important?

Q. What are the difference between JPEG & PNG image formats?

Q. How to embed Video element in HTML? Why we need multiple source elements?

Q. How to embed Audio element in HTML?

Q. What are the Autoplay & Loop attributes in multimedia elements?

## HTML Forms

- Q. What are HTML Forms and what are its advantages?
- Q. Q. What are HTML Form Elements and their Main Attributes?
- Q. How to Validate for empty input field in form?
- Q. What is the role of the <textarea> element in a form?
- Q. What are the Types of Input elements in a form?
- Q. How to create radio buttons and checkboxes? How to group them?
- Q. What is the purpose of the <select> element in a form?

### Best Practices, Boilerplate & Deployment

- Q. What are Top 10 Best Practices for writing HTML code?
- Q. What is HTML5 Boilerplate code?
- Q. How do you optimize an HTML website for Performance?
- Q. What is SEO? What are 5 HTML Best Practices for SEO?
- Q. What are the 5 steps required for HTML website deployment?

### HTML Responsiveness, Frameworks & Others

- Q. What is Responsive Design?
- Q. What are the top 3 things required to make a website Responsive in HTML?
- Q. What are some Responsive Design Frameworks for HTML & CSS?
- Q. What are HTML Entities? How do you display special characters in HTML?
- Q. What are the Top 5 Emerging Trends in HTML development?

### CSS

#### CSS Basics & Implementation

- Q. What is CSS? What are the 5 ways to Implement CSS in HTML?
- Q. What is Inline Style in CSS? When to use it in real applications?
- Q. What is Internal Stylesheet in CSS? When to use it in real applications?
- Q. What is External Stylesheet in CSS? When to use it in real applications?
- Q. What are the 5 advantages of external stylesheet?

Q. How do you Include CSS in a webpage or HTML?

Q. How to implement CSS using @import rule?

Q. What is CSS Preprocessors? What is SCSS?

Q. What are the 3 Types of CSS Preprocessors?

## Selectors in CSS

Q. What are Selectors in CSS? How many types of selectors are there?

Q. Difference between ID, Element & Class selector? When to use which selector?

Q. What are Universal selectors?

Q. What are the Descendant Selectors in CSS?

Q. What are Attribute Selectors in CSS? What are its 5 Types?

Q. What are Child Selectors in CSS?

Q. How Child Selector is different from Descendent selectors?

Q. What are Pseudo-class Selector & Pseudo-element Selector?

## Layout and Positioning

Q. Explain the concept of the Box Model in CSS.

Q. What is the difference between Padding & Margin?

Q. What is the difference between display: inline & display: block?

Q. What is the difference between display: inline & display: inlineblock?

Q. What is z-index property in CSS? How same z-index elements will be displayed?

Q. What is the role of float property in CSS?

Q. What is the difference between position: relative/ absolute/ fixed?

## Responsive Design, Flexbox & Grid Layout

Q. What is the role of meta viewport tag?

Q. What are Media Queries in CSS?

Q. What is display: flex in CSS?

Q. What is CSS Grid Layout in CSS?

Q. How can you create a Sticky Header in CSS?

Q. What are the 5 best practices for creating a Responsive Design using CSS?

## Bootstrap

Q. What is Bootstrap? What are the other 5 responsive design frameworks?

Q. What are the 5 Advantages of using Bootstrap?

Q. What are the 2 ways to include Bootstrap framework for your website.

Q. Explain the Grid System in Bootstrap?

Q. What is the difference between col-xs, col-sm, col-md, col-lg & col-xl?

Q. What are Bootstrap Components? What are Top 10 bootstrap components?

Q. What is a Bootstrap Modal component?

Q. What is a Bootstrap Navigation component?

Q. What is Bootstrap Carousel component?

Q. Explain the difference between Bootstrap's container & container-fluid