

Revolutionizing the Job Market

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NXT WAVE™

Search for 'Arrays'

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CONTENTS

Revision (2 hours)

HTML (1 hour, 40 mins)

- Introduction To HTML (10 mins) (Completed)
- MCQ Practice 1 (5 mins)
- HTML Elements (30 mins)
- MCQ Practice 2 (20 mins)
- HTML Attributes And General (15 mins) (Completed)
- MCQ Practice 3 (10 mins)
- HTML Forms And Tables (5 mins)

Interview Questions

Recently Asked Questions and Answers

1. What is the full form of HTML?

HTML stands for Hypertext Markup Language.

2. What are HTML Elements?

HTML Elements are the building blocks of HTML that describe the structure and content of a web page. They generally consist of a start tag, content, and end tag.

Syntax:

```
i 1 <tag>Content</tag>
```

HTML

Completed

Ask doubt

Ask doubt

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- Introduction To HTML 10 mins
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- HTML Elements 30 mins
- MCQ Practice 2 20 mins
- HTML Attributes And General 15 mins
- MCQ Practice 3 10 mins
- HTML Forms And Tables 5 mins

3. What is the structure of an HTML document?

The basic structure of an HTML document:

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4      Metadata elements
5  </head>
6  <body>
7      Document Content
8  </body>
9  </html>
```

HTML

The HTML `head` element consists of HTML elements that define the metadata of an HTML document and the HTML `body` element consists of the content that should be displayed on the web page.

4. What is the extension of an HTML file?

The extension of an HTML file is **.html**

Completed

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5. What are the differences between HTML Tags and HTML Elements?

HTML Tags	HTML elements
Tags are the starting and ending parts of an HTML element. They begin with < symbol and end with > symbol. Ex:- Start tag: <p> , <h1> , End tag: </p> , </h1>	It generally consists of a start tag, content, and an end tag. Ex:- <p>Paragraph</p> , <h1>Heading</h1>

6. What are the uses of HTML?

Some of the uses of HTML are:

- **Structuring web pages:** With HTML elements, we can define the headings, paragraphs, and other contents of a web page. Without HTML elements, the text on the webpage would all look the same.
- **Creating Hyperlinks:** With Hyperlinks, we can navigate within the HTML document, to other web pages, etc.
- **Embedding images and videos:** With HTML elements, we can embed images and videos in the HTML document.

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7. What is HTML?

HTML (Hypertext Markup Language) is the standard markup language for creating Web pages.

- It describes the structure of a Web page.
- It consists of HTML elements that tell the browser how to display the content.

8. What are the types of tags in HTML?

Paired Tags: Paired tags consist of two tags, the first one is called a start tag and the second one is called an end tag.

Examples: `<h1>Heading</h1>` , `<p>Paragraph</p>` , etc.

Unpaired Tags: Unpaired tags do not have an end tag. They are also known as empty tags.

Examples: `` , `
` , etc.

9. What are the important parts of an HTML document?

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9. What are the important parts of an HTML document?

An HTML document generally consists of three parts:

- A line containing HTML version information.
- A declarative head element.
- A body, which contains the document's actual content.

10. Can we design dynamic web pages using HTML?

No, we can't design dynamic web pages with HTML alone.

By Combining HTML with JavaScript, we can create dynamic web pages.

11. What is the use of doctype?

The `doctype` declaration tells the type/version of the HTML document to the browser.

This ensures that the HTML document is rendered in different browsers in the same and expected way.

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CSS 2 hours, 15 mins

11. What is the use of doctype?

The `doctype` declaration tells the type/version of the HTML document to the browser.

This ensures that the HTML document is rendered in different browsers in the same and expected way.

Example:

```
1 <!DOCTYPE html>
2 <html>
3   <head></head>
4   <body>
5     <h1>Tourism</h1>
6   </body>
7 </html>
```

12. What is nested HTML?

HTML elements can be nested.

It means that the HTML element can be placed inside another HTML element.

Example:

```
i 1 <div>
2   <h1>Tourism</h1>
3   <p>Plan your trip.</p>
4 </div>
```

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Recently Asked Questions and Answers

1. What is meant by an HTML body element?

The HTML `body` element defines the main content of an HTML document that displays on the web page.

It can contain **text content, paragraphs, headings, images, tables, links, videos, etc.**

2. What are the HTML elements that are commonly used?

Some of the commonly used HTML elements are:

- `h1`
- `p`
- `br`
- `hr`
- `a`
- `img`
- `div`
- `span`

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- MCQ Practice 4 5 mins

CSS 2 hours, 15 mins

3. What is the use of an HTML anchor element?

We use the HTML `anchor` elements to navigate to other web resources or a specific HTML element within the HTML document. They are also called as Hyperlinks/ Links.

Syntax:

```
i 1 <a href="URL">Content</a>
```

4. What is an HTML heading element and an HTML paragraph element?

Heading Element

HTML defines `six` levels of headings.

- The HTML `h1` element defines the most important heading of an HTML document.
- The HTML `h6` element defines the least important heading of an HTML document.

Example:

```
i 1 <h1>Tourism</h1>
```

Paragraph Element

The HTML `p` element defines the paragraph of an HTML document.

Example:

```
i 1 <p>Plan your trip wherever you want to go</p>
```

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5. What are the differences between HTML div and span elements?

div	span
The HTML <code>div</code> element is a block-level element	The HTML <code>Span</code> element is an inline element
It can be used to wrap around other HTML elements and apply CSS styles to many elements at once	It can be used to wrap a small portion of text, etc and add CSS styles to it

6. What is an HTML container element?

The HTML container element (`div`) defines a container.

It can be used to wrap a group of elements and apply CSS styles to many elements at once.

7. What are HTML tags?

HTML Tags are like keywords that define how a web browser will format and display the content.

- With the help of tags, a web browser can distinguish between HTML elements and text.

Examples: `p`, `h1`, `br`, `hr`, `a`, `img`, `ul`, `ol`, `li`, `form`, `input`, `textarea`, `select`, `option`

8. How many types of HTML heading elements are there?

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- MCQ Practice 4 5 mins

8. How many types of HTML heading elements are there?

HTML defines `six` levels of headings.

HTML headings are defined with the `h1` to `h6` elements.

- `h1` element is the **most** important heading element.
- `h6` element is the **least** important heading element.

9. What is an HTML script element?

The HTML `script` element can be used to embed the JavaScript code.

It can contain scripting statements, or it points to an external script file through the `src` attribute.

Example:

```
f 1 <script src="counter.js"></script>
```

HTML

Completed

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HTML > HTML Elements

10. How many HTML h1 elements can be used on a web page?

Using more than one HTML `h1` element is allowed by the HTML specification, but it is not considered a best practice.

11. What is the HTML head element and why we use it?

- The HTML `head` element is the container for the elements which provide **extra information** about the document (metadata).
- It describes the properties of the document such as title, character set, style sheets, scripts, etc.

12. How to add line breaks to an HTML paragraph element?

The HTML `br` element is used to add a line break to an HTML paragraph element. It breaks the text and continue it in the next line.
It is useful in writing poems, addresses, etc.

Example:

```
# 1 - <h1 class="heading">
#   Twinkle Twinkle Little Star
# 3 </h1>
# 4 <p>
# 5   Twinkle, twinkle, little star, <br />
# 6   How I wonder what you are! <br />
# 7   Up above the world so high, <br />
# 8   Like a diamond in the sky.
# 9 </p>
```

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HTML > HTML Elements

13. How to display images on the web page?

We can display images on the web page using the HTML `img` element.

Generally, the HTML `img` element requires two main HTML attributes.

- `src` specifies the path to the image.
- `alt` specifies an alternate text for the image.

Syntax:

```
↑ 1  
```

HTML

14. What are the attributes we can give to an HTML image element?

The attributes we can give to an HTML image element:

- `src`
- `alt`
- `height`
- `width`
- `class`, etc.

HTML Forms And Tables 5 mins

MCQ Practice 4 5 mins

HTML Attributes And General 15 mins

MCQ Practice 3 10 mins

HTML Elements 30 mins

MCQ Practice 2 20 mins

MCQ Practice 1 5 mins

Introduction To HTML 10 mins

HTML 1 hour, 40 mins

Revision 2 hours

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- HTML Forms And Tables 5 mins
- MCQ Practice 4 5 mins

HTML > HTML Elements

15. What is an HTML image element?

Image Element

The HTML `img` element defines an Image.

Syntax:

```
f 1. 
```

HTML

16. Does a hyperlink only apply to text?

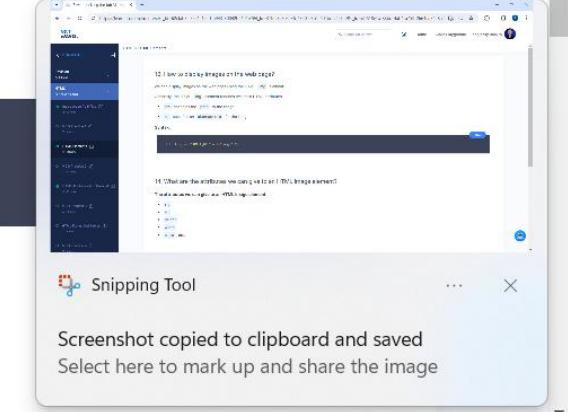
No. We can use hyperlinks to **text** as well as **images, buttons**, etc.

Example:

```
f 1. <a href="link"> Link Text </a>
  2. <a href="link"> <button>Click Here</button> </a>
  3. <a href="link">  </a>
```

17. How to create a link in HTML and what is the HTML target attribute?

The HTML `a` element can be used to create the links on a web page.

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HTML > HTML Elements

17. How to create a link in HTML and what is the HTML target attribute?

The HTML `anchor` element can be used to create the links on a web page.

It requires the HTML `href` attribute to specify the URL/ path of the page where the link goes to.

HTML target attribute:

The HTML `target` Attribute specifies where to open the linked web resource.

It can have the following values:

Value	Description
<code>_self</code>	(Default value) It opens the document in the same window or tab as it was clicked.
<code>_blank</code>	It opens the document in a new window or tab.
<code>_parent</code>	It opens the document in a parent frame.
<code>_top</code>	It opens the document in a full-body window.

18. What is the difference between HTML anchor element and HTML link element?

HTML anchor element:

We use the HTML `anchor` element to navigate to other web resources or a specific element within the HTML document.

HTML link element:

We use the HTML `link` element to link the HTML and CSS files.

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HTML > HTML Elements

19. What is the difference between HTML script element and HTML link element?

HTML script element:

We use the HTML `script` element to embed the JavaScript code to HTML file.

HTML link element:

We use the HTML `link` element to link the HTML and CSS files.

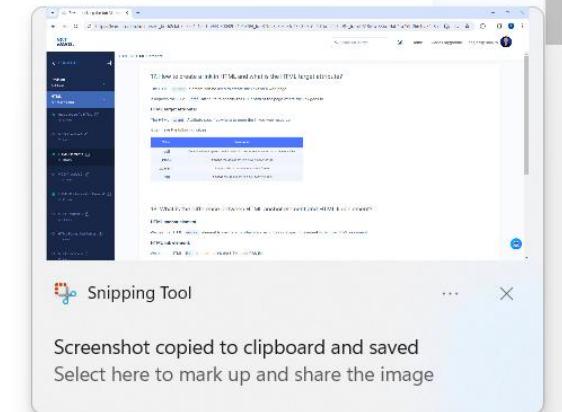
20. What are the differences between the HTML ordered List and the HTML unordered List?

HTML ordered list	HTML unordered list
It is a collection of related items that follow some order or have a sequence	It is a collection of related items that have no special order or sequence
It is created using the <code>ol</code> element	It is created using the <code>ul</code> element
By default, list items in the Ordered List are marked with numbers.	By default, list items in the Unordered List are marked with bullets.

21. Explain types of lists in HTML?

Companies Asked: Algonox

There are three types of lists in HTML:



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HTML > HTML Elements

21. Explain types of lists in HTML?

Companies Asked: Algonox

There are three types of lists in HTML:

- **Unordered list:** It is used to group a set of related items in no particular order.
- **Ordered list:** It is used to group a set of related items in a specific order.
- **Description list:** It is used to display name/value pairs such as terms and definitions.

Question 4 of 4

3. Item B
4.

• Item A ✓
 • Item B ✓

1. Item A
 2. Item B

• Item A
 • Item C


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HTML > HTML Elements

22. Explain the HTML `hr` (horizontal line) element?

HTML Horizontal Rule Element: The HTML `hr` element inserts a horizontal line and helps to separate the content.

23. Explain about the HTML block-level elements and inline elements?

Block-level Elements:

The HTML Block-level elements always start in a new line and take up the full width available.

So, an HTML Block-level element occupies the entire horizontal space of its parent element.

Examples: HTML `h1` element, HTML `p` element, HTML `div` element, etc.

Inline Elements:

The HTML Inline elements do not start in a new line and take up the content width.

Examples: HTML `button` element, HTML `img` element, HTML `a` element, etc.

24. Why Meta elements are used in HTML?

- Meta elements can contain information about character encoding, description, title of the document etc.
- Meta elements are used to tell the browser about the page description, author of the template, character set, keywords, etc.
- Meta elements are used for search engine optimization to tell the search engine about the page contents.

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Interview Questions

Recently Asked Questions and Answers

1. What is meant by the HTML href attribute?

The HTML `href` attribute is the most important attribute of the HTML `anchor` element.

It specifies the URL/path of the page the link goes to.

Q. What is an HTML class attribute?

Rephrased Question: What is class attribute and why are we using it?

The HTML `class` attribute is used to specify one or more classes to an HTML element.

These classes can be used to change the properties of elements using CSS or JavaScript.

← Question 4 of 4

From the above code, attributes to avoid is `cccc`

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3. Why do we use the HTML id attribute?

The HTML `id` attribute specifies a **unique id** for an HTML element. The value of the `id` attribute must be unique within the HTML document.

- It can be used for styling an HTML element using CSS.
- It is also used by JavaScript to access and manipulate the HTML elements with the specific `id`.

4. Name some of the attributes used in HTML?

Some of the attributes used in HTML are:

- `class`
- `id`
- `href`
- `src`
- `for`
- `width`
- `height`
- `name`
- `alt`
- `style`
- `checked`
- `type` etc,...

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- MCQ Practice 4 5 mins

5. What is the value given to the HTML `href` attribute?

The value of the HTML `href` attribute is **URL/path** of the page where the link goes to.

6. What are the HTML attributes?

The HTML attributes provide additional information about HTML elements.

- They are always specified in the start tag.
- They usually come in name/value pairs like: `name="value"`

Examples: `src`, `style`, `alt`, etc.

Q. What are the differences between the HTML id attribute and the HTML class attribute?

Rephrased Question: Do you know what is the difference between id and class in html?

An ID must be unique within the HTML document, so it's used only once per page. We generally use it for an element that require unique styling or need to be accessed by JavaScript for specific functionality.

On the other hand, a class can be reused across multiple elements, making it ideal for applying consistent styling.

More Info

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HTML 1 hour, 40 mins

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On the other hand, a class can be reused across multiple elements, making it ideal for applying consistent styling.

▼ More Info

Id	class
The HTML <code>class</code> attribute specifies a class name for an HTML element	The HTML <code>id</code> attribute specifies a unique id for an HTML element.
It is used to apply styles to multiple elements with the class name	It is used to apply styles to a single element
One or more HTML elements can have the same class name	The id must be unique within the HTML document. There shouldn't be more than one element with the same id

← Question 4 of 4

Why would you use the same class for multiple buttons in HTML?

- To ensure that each button has a unique identifier.
- To apply consistent styling across all buttons. ✓
- To make each button link to a different section of the webpage

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8. Can multiple HTML elements have the same id?

No. There shouldn't be more than one HTML element with the same id.

The id must be unique within the HTML document.

Q. Can a single element has multiple id?

Rephrased Question: Just like class, If multiple ids are given separated by spaces, will it work?

No. We can give only one ID to a single HTML element.

If we give multiple IDs separated by the space, the styles don't apply to the HTML element.

For example, the styles are not applied to the heading element as we have given more than one ID to it.

```
1 <!DOCTYPE html>
2 <html>
3   <head></head>
4   <body>
5     <h1 id="id1 id2">Heading</h1>
6   </body>
7 </html>
```

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For example, the styles are not applied to the heading element as we have given more than one ID to it.

```
1 <!DOCTYPE html>
2 <html>
3   <head></head>
4   <body>
5     <h1 id="id1 id2">Heading</h1>
6   </body>
7 </html>
```

```
1 #id1 {
2   color: red;
3 }
4 #id2 {
5   color: green;
6 }
```

HTML

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Question 5 of 5

What is the correct way to assign an ID to an HTML element?

<h1 id="id1 id2">Heading</h1>

<h1 id="id1">Heading</h1>

<h1 id=id1>Heading</h1>

<h1 id="id1,id2">Heading</h1>

9. Can we use the HTML p element inside an HTML span element?

The HTML `span` element is an **inline element**, which should contain only **other inline elements**.

So as `span` is an inline element and `p` is a block-level element, we can't use the `p` element inside a `span` element.

Note

Not all the HTML inline elements should contain only other inline elements. There are few exceptions for it. Example: HTML `anchor` element, etc.

Completed

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So as `span` is an inline element and `p` is a block-level element, we can't use the `p` element inside a `span` element.

Note

Not all the HTML inline elements should contain only other inline elements. There are few exceptions for it. Example: HTML `anchor` element, etc.

10. Can we write an HTML div element in another HTML div element?

We can write multiple HTML `div` elements in another HTML `div` element.

11. What is the difference between HTML and JavaScript?

JavaScript	HTML
JavaScript is a programming language that makes web pages more interactive and dynamic	HTML is a markup language that is used to describe the structure and layout of web pages

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12. What is a viewport?

Viewport: The browser's viewport is the area of the window in which web content can be seen.

13. What are the differences between HTML and Python?

HTML	Python
HTML is a markup language that is used to describe the structure and layout of web pages	Python is an interpreted, object-oriented, high-level programming language
It is generally used to format the output (How to appear on a website)	It is generally used to instruct a computer to perform certain actions on an input and return an output

14. Write some HTML code snippets?

HTML code snippet:

```
1  <!DOCTYPE html>
2  <html>
3    <head> </head>
4    <body>
5      <div>
6        <h1>Heading</h1>
7      </div>
8    </body>
9  </html>
```

HTML

✓ Completed

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- MCQ Practice 1 ✓
- HTML Elements ✓
- MCQ Practice 2 ✓
- HTML Attributes And General ✓
- MCQ Practice 3 ✓
- HTML Forms And Tables ✓
- MCQ Practice 4 ✓

Interview Questions

Recently Asked Questions and Answers

1. Explain HTML `form` element?

The HTML `form` element can be used to create HTML forms. It is a container that can contain different types of elements like,

- `input`
- `label`
- `select`
- `textarea`
- `button`
- `fieldset`
- `legend`
- `data list`
- `output`
- `option`
- `optgroup`, etc.

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Q. Write the basic structure of the form element?

Basic Structure of the `form` Element:

```
i 1 - <form>
2   <input type="text" />
3   <input type="submit" />
4 </form>
```

The HTML `form` element is a container element for various input elements like text fields for names and email addresses, along with a submit button.

The above structure is commonly used for collecting user-provided information.

← Question 4 of 4

What does a `form` element commonly use to collect user information?

- Input elements** ✓
- Paragraph elements
- Header elements
- Image elements

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2. What are forms and how to create forms in HTML?

The form is used to collect the user inputs. HTML provides a `form` element to create forms.

Example:

```
i 1 <form action="/submit_data.php">
  2   <label>Enter your name: </label>
  3   <input type="text" name="name" />
  4   <label>Enter Mobile number </label>
  5   <input type="number" name="mobile_no" />
  6   <input type="submit" value="Submit" />
  7 </form>
```

3. What is checkbox and how to use checkbox?

To define a Checkbox, We need to specify the HTML `type` attribute with the value `checkbox` for an HTML `input` element.

Example:

```
i 1 <input type="checkbox" id="vehicle1" name="vehicle1" value="Bike1" />
  2 <input type="checkbox" id="vehicle2" name="vehicle2" value="Bike2" />
```

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4. What are the differences between the HTML checkbox and radio input elements?

HTML radio input element:

- It is used when only one option to be selected out of several available options.
- It is created by using an HTML input element with the `type` attribute value is set to **radio**.

HTML checkbox input element:

- It is used when more than one option to be selected out of several available options.
- It is also created by using the HTML input element with the `type` attribute value is set to **checkbox**.

5. How to create a single-line text box for searching queries?

The HTML `input` element with the type `search` is used to add a single line text box for searching queries.

Example:

```
i 1 <input type="search" />
```



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6. What is an HTML checked attribute?

The HTML `checked` attribute specifies that an input element should be pre-selected (checked) when the page loads.

```
i 1 <input type="radio" id="genderMale" value="Male" name="gender" checked />
```

7. What are the different types of input element available and their uses?

The HTML `input` element can be displayed in several ways, depending on the HTML `type` attribute.

Below are some of the input types:

- `type="text"`
 - Defines a one-line text input field.
- `type="password"`
 - Defines a one-line password input field.
- `type="submit"`
 - Defines a submit button to submit the form to the server.
- `type="radio"`
 - Defines a radio button that is used when user has to select one option.
- `type="checkbox"`
 - Defines a checkbox that is used when user has to select multiple options.

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8. How to create a combobox in HTML?

The HTML `select` element is used to create a combobox or drop-down list of options.

The HTML `option` element should be inside the HTML `select` element for defining options in the drop-down list.

Syntax:

```
i 1<select>
  2  <option>option1</option>
  3  <option>option2</option>
  4 </select>
```

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Ask doubt

Notes Discussions

Notes

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- MCQ Practice 3 20 mins
- CSS Display And Position 5 mins
- MCQ Practice 4 15 mins

CSS > Introduction To CSS And CSS Selectors

Interview Questions

Recently Asked Questions and Answers

1. What is the full form of CSS?

The full form of **CSS** is **Cascading Style Sheets**.

2. Why do we use Style Sheets?

Style sheets describe the presentation of HTML documents, including colors, layout, and fonts. They also make the HTML documents to adapt the presentation to different types of devices, such as large screens, small screens, or printers, etc.

3. How to link the CSS file to the HTML file?

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Introduction To CSS And CSS Selectors (checkmark) 30 mins

MCQ Practice 1 (checkmark) 15 mins

CSS Properties (checkmark) 15 mins

MCQ Practice 2 (checkmark) 15 mins

CSS Layouts And Box Model (checkmark) 20 mins

MCQ Practice 3 (checkmark) 20 mins

CSS Display And Position (checkmark) 5 mins

MCQ Practice 4 (checkmark) 5 mins

CSS > Introduction To CSS And CSS Selectors

3. How to link the CSS file to the HTML file?

The HTML `link` element is used to link the CSS file to the HTML file. It should be placed in the HTML `head` element.

HTML

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4  <link rel="stylesheet" href="tourism.css" />
5  </head>
6  <body>
7  ...
8  </body>
9  </html>
```

- The HTML `rel` attribute stands for a relationship of the linked document to the current document. In this case, it is a `stylesheet`.
- The HTML `href` attribute stands for the URL/path of the CSS file.

4. What is CSS?

CSS stands for Cascading Style Sheets.

It is the stylesheet language that is used to define styles for the HTML documents, including the design, layout and variations in display for different devices and screen sizes.

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CSS Layouts And Box Model
⑦ 20 mins

MCQ Practice 3
⑧ 20 mins

CSS Display And Position
⑨ 5 mins

MCQ Practice 4
⑩ 5 mins

CSS > Introduction To CSS And CSS Selectors

5. How to add CSS to the HTML document?

CSS can be added to HTML documents in 3 ways.

- **Inline:** by using the HTML `style` attribute in the HTML elements.
- **Internal:** by using the HTML `style` element in the HTML `head` element.
- **External:** by using the HTML `link` element to link an external CSS file.

6. What is the Internal Style Sheet and External Style Sheet in CSS?

- **Internal Style Sheet:**
 - In Internal Style Sheet, CSS property-values are defined in the HTML `style` element inside the HTML `head` element.
 - It is used to define the styles for a single HTML document.
- **External Style Sheet:**
 - In External Style Sheet, CSS property-values are defined in a separate `.css` file.
 - It can be used to define the styles for many HTML documents.

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MCQ Practice 4 5 mins

CSS > Introduction To CSS And CSS Selectors

- It can be used to define the styles for many HTML documents.

7. What are the CSS Styles?

Styles in CSS are rules that describe the presentation of an HTML document.

Style information can be either attached as a separate document or embedded in the HTML document.

8. Why do we need CSS?

CSS is used to style an HTML document.

It brings an HTML document to life, by choosing fonts, applying colors, defining margins, positioning elements, animating interactions, and much more.

So, the HTML documents would look pretty boring without CSS.

9. Explain Inline styles?

The Inline styles are applied directly to an HTML element. They use the HTML `style` attribute, with CSS property values defined within it.

Syntax:

HTML

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② 15 mins

CSS Properties
② 15 mins

MCQ Practice 2
② 15 mins

CSS Layouts And Box Model
② 20 mins

MCQ Practice 3
② 20 mins

CSS Display And Position
② 5 mins

MCQ Practice 4
② 5 mins

CSS > Introduction To CSS And CSS Selectors

9. Explain Inline styles?

The Inline styles are applied directly to an HTML element. They use the HTML `style` attribute, with CSS property values defined within it.

Syntax:

```
i 1 <tag style="property1: value1; property2: value2; ...>Content</tag>
```

The HTML `style` attribute value can consist of one or more CSS property values.

Note

Generally using Inline Styles is not recommended because,

- Inline Styles are not reusable.
- Writing HTML and CSS separately increases code readability.

10. What is a responsive web design?

Responsive web design:

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CSS 2 hours, 15 mins

Introduction To CSS And CSS Selectors Edit

MCQ Practice 1 Edit

CSS Properties Edit

MCQ Practice 2 Edit

CSS Layouts And Box Model Edit

MCQ Practice 3 Edit

CSS Display And Position Edit

MCQ Practice 4 Edit

CSS > Introduction To CSS And CSS Selectors

10. What is a responsive web design?

Responsive web design:

- Responsive web design is an approach to making web pages give the best user experience on all devices.
- A responsive website will automatically adjust for different screen sizes and viewports.

11. Which of the following are CSS Units?

A. px
B. pt
C. em
D. all

Answer: Option D (all)

12. What are the advantages of using CSS?

Some of the advantages of using CSS are:


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HTML
① 1 hour, 40 mins

CSS
② 2 hours, 15 mins

Introduction To CSS And CSS Selectors ✓ (30 mins)

MCQ Practice 1 ✓ (15 mins)

CSS Properties ✓ (15 mins)

MCQ Practice 2 ✓ (15 mins)

CSS Layouts And Box Model ✓ (20 mins)

MCQ Practice 3 ✓ (20 mins)

CSS Display And Position ✓ (5 mins)

MCQ Practice 4 ✓ (5 mins)

CSS > Introduction To CSS And CSS Selectors

Answer: Option D (all)

12. What are the advantages of using CSS?

Some of the advantages of using CSS are:

1. Saves Time

CSS can save you time. Once a style sheet is created, we can use it multiple times. The best practice for CSS is to save it as a `.css` file, separate from your `.html` file. Whenever you find a style that you like, you can apply it to as many pages as we would like.

2. Efficient

CSS is efficient. It requires a few lines of code to style a webpage. So, it speeds up loading time and keeps files relatively lightweight.

3. Easier to Learn

CSS is very easy to learn and update, which makes global changes to style simple and quick.

13. What are the advantages and disadvantages of CSS?

Advantages of CSS

- CSS saves a lot of time.
- It helps to make consistent and spontaneous changes.

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HTML
① 1 hour, 40 mins

CSS
① 2 hours, 15 mins

Introduction To CSS And CSS Selectors
② 30 mins

MCQ Practice 1
② 15 mins

CSS Properties
② 15 mins

MCQ Practice 2
② 15 mins

CSS Layouts And Box Model
② 20 mins

MCQ Practice 3
② 20 mins

CSS Display And Position
② 5 mins

MCQ Practice 4
② 5 mins

CSS > Introduction To CSS And CSS Selectors

13. What are the advantages and disadvantages of CSS?

Advantages of CSS

- CSS saves a lot of time.
- It helps to make consistent and spontaneous changes.
- It improves the loading speed of the page.
- It has better device compatibility.

Disadvantages of CSS

- There could be cross-browser issues while using CSS.
- There are multiple levels of CSS such as CSS, CSS 2, CSS 3. This can create a confusion for non-developers and beginners.

14. Can we add multiple class names to the HTML class attribute?

We can provide multiple class names separated by space as a value to the HTML `class` attribute.

Syntax:

```
i 1  <tag>class="name1 name2 name3 name4 ...">Content</tag>
```

HTML

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HTML
① 1 hour, 40 mins

CSS
① 2 hours, 15 mins

Introduction To CSS And CSS Selectors
② 30 mins

MCQ Practice 1
② 15 mins

CSS Properties
② 15 mins

MCQ Practice 2
② 15 mins

CSS Layouts And Box Model
② 20 mins

MCQ Practice 3
② 20 mins

CSS Display And Position
② 5 mins

MCQ Practice 4
② 5 mins

CSS > Introduction To CSS And CSS Selectors

15. What is meant by the CSS Selector and what are the different types of it?

The CSS Selectors are used to select the HTML elements that we want to style.

The different types of CSS Selectors are:

- Simple Selectors
 - Class Selector
 - ID Selector
 - Type (tag name) Selector
 - Attribute Selector
 - Universal Selector
 - Pseudo-class
- Compound Selectors
- Complex Selectors and many more.

16. Which has more specificity among Inline Styles and Class Selectors?

Inline Styles have more specificity than Class Selectors.

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HTML 1 hour, 40 mins

CSS 2 hours, 15 mins

Introduction To CSS And CSS Selectors 30 mins

- Complex Selectors and many more.

16. Which has more specificity among Inline Styles and Class Selectors?

Inline Styles have more specificity than Class Selectors.

17. What is the need for CSS Selectors?

The CSS Selectors are used to select the HTML elements that we want to style.

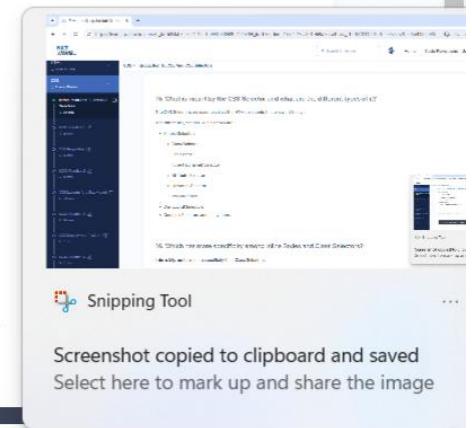
There are a wide variety of CSS selectors like `id`, `class`, `type`, etc.

18. Explain the HTML id attribute and the class attribute?

• HTML id Attribute:

- The HTML `id` attribute is used to specify the unique id to an HTML element.
- This attribute can be used by CSS and JavaScript to style or perform DOM manipulations to a particular element with the specified id.

Syntax:


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MCQ Practice 2 15 mins

CSS Layouts And Box Model 20 mins

MCQ Practice 3 20 mins

CSS Display And Position 5 mins

MCQ Practice 4 5 mins

CSS > Introduction To CSS And CSS Selectors

18. Explain the HTML id attribute and the class attribute?

- HTML id Attribute:**
 - The HTML `id` attribute is used to specify the unique id to an HTML element.
 - This attribute can be used by CSS and JavaScript to style or perform DOM manipulations to a particular element with the specified id.

Syntax:

```
i 1 <h1 id="heading">CSS Selectors</h1>
```

HTML

- HTML class Attribute:**
 - The HTML class attribute is used to specify one or more class names to an HTML element.
 - This attribute can be used by CSS and JavaScript to style or perform DOM manipulations to the HTML elements with the specified class name.

Syntax:

```
i 1 <h1 class="heading main-heading">CSS Selectors</h1>
```

HTML

Q. What is the id attribute and how did you write in CSS?

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CSS
① 2 hours, 15 mins

Introduction To CSS And CSS Selectors
② 30 mins

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③ 15 mins

CSS Properties
③ 15 mins

MCQ Practice 2
③ 15 mins

CSS Layouts And Box Model
④ 20 mins

MCQ Practice 3
④ 20 mins

CSS Display And Position
⑤ 5 mins

MCQ Practice 4
⑤ 5 mins

CSS > Introduction To CSS And CSS Selectors

Q. What is the id attribute and how did you write in CSS?

The HTML `id` attribute specifies a **unique id** for an HTML element. The value of `id` attribute must be unique within the HTML document.

In CSS, we select this element with a `#` followed by the value of the `id` attribute.

Example:

`1 #heading {
2 color: red;
3 font-size: 20px;
4 }`

`i 1 <h1 id="heading">This text will be red and 20px in size.</h1>`

← Question 4 of 4

How do you select an element with a specific `id` in CSS?

- Using the `.` symbol followed by the `id` value.
- Using the `#` symbol followed by the `id` value. ✓
- Using the `@` symbol followed by the `id` value.

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CSS Display And Position 5 mins

MCQ Practice 4 5 mins

CSS > Introduction To CSS And CSS Selectors

Q. Do you know about Hash selector?

Rephrased Question: Do you know ID selector

The hash selector in CSS, also known as the ID selector, is used to select an element with a specific `id`. It is represented by a hash (`#`) symbol followed by the ID of the element.

Here's the syntax:

```
1 ~ #id {  
2   /* CSS properties */  
3 }
```

For example, if you have an HTML element like this:

```
<div id="myElement">Hello, World!</div>
```

You can style it using the hash selector in your CSS like this:

```
1 ~ #myElement {  
2   color: blue;  
3   font-size: 20px;  
4 }
```

This will apply the specified styles to the element with the ID `myElement`. The ID should be unique within a page. Therefore, the hash selector is used when you want to find an element with a unique ID.

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CSS
① 2 hours, 15 mins

Introduction To CSS And CSS Selectors
② 30 mins

MCQ Practice 1 ✓
③ 15 mins

CSS Properties ✓
④ 15 mins

MCQ Practice 2 ✓
⑤ 15 mins

CSS Layouts And Box Model ✓
⑥ 20 mins

MCQ Practice 3 ✓
⑦ 20 mins

CSS Display And Position ✓
⑧ 5 mins

MCQ Practice 4 ✓
⑨ 5 mins

CSS > Introduction To CSS And CSS Selectors

19. What CSS property-values will be applied to an HTML element if it has both HTML id and class attributes?

All the CSS properties in both the `id` and `class` selectors will be applied to the HTML element.

If there are any CSS properties in common between the `id` and `class` selectors, then CSS property values in the `id` selector will be applied to the HTML element because of higher specificity.

20. What is CSS Specificity?

CSS Specificity is how browsers decide which CSS property values are the most relevant to an HTML element and apply those CSS property values to the HTML element.

21. Explain Low to high specificity in CSS Selectors?

The following list of CSS Selectors is in the **lowest** to **highest** order by specificity.

- Universal Selector
- type/ tag name Selector
- `class` Selector
- `id` Selector

ture to the HTML element.



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CSS Layouts And Box Model 20 mins

MCQ Practice 3 20 mins

CSS Display And Position 5 mins

MCQ Practice 4 5 mins

CSS > Introduction To CSS And CSS Selectors

23. What is a Universal selector?

The **universal selector** selects all the HTML elements in an HTML document.

```
1 * {  
2   color: green;  
3   font-size: 20px;  
4 }
```

24. How to style a particular HTML element?

We can style a particular HTML element with CSS in many ways.

1. Inline styles:

- An inline style can be used to apply the styles to a single HTML element.
- To use inline styles, add the style attribute to the relevant element and define the CSS property values within it.

```
i 1 <p style="color:red;">Plan your trip</p>
```

2. CSS Selectors:

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CSS > Introduction To CSS And CSS Selectors

24. How to style a particular HTML element?

We can style a particular HTML element with CSS in many ways.

1. Inline styles:

- An inline style can be used to apply the styles to a single HTML element.
- To use inline styles, add the style attribute to the relevant element and define the CSS property values within it.

```
i 1 <p style="color:red;">Plan your trip</p>
```

2. CSS Selectors:

- CSS Selectors let you apply CSS styles to a specific HTML element.
- It might be in either internal CSS or external CSS.

Example: Using CSS class selectors

```
i 1 <p class="paragraph">This is a paragraph.</p>
```

```
1 .paragraph {  
2   color: red;  
3 }  
4 
```

The screenshot shows a browser window displaying a CSS selector example. Below the browser, a Snipping Tool window is open, showing the copied screenshot of the browser content. The Snipping Tool window has a status bar at the bottom that says "Screenshot copied to clipboard and saved Select here to mark up and share the image".

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CSS Display And Position 5 mins

MCQ Practice 4 5 mins

CSS > Introduction To CSS And CSS Selectors

25. How to override CSS style with the `!important` rule?

- Adding another CSS rule with `!important`, and using a selector with higher specificity (adding an additional tag, id, or classname to the selector).
- Adding another CSS rule with the same selector later in the stylesheet.

Example: Using a selector with higher specificity

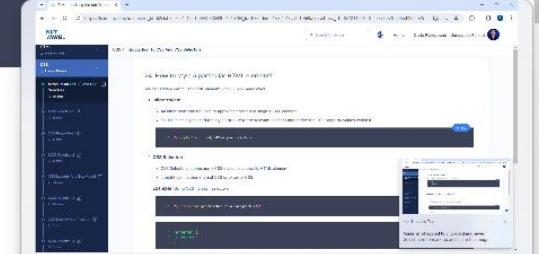
```
1- p {  
  2-   height: 50px !important;  
  3- }  
  4- .first-paragraph {  
  5-   height: 60px !important;  
  6- }  
  7- #paragraph {  
  8-   height: 70px !important;  
  9- }
```

Q. What is the role of CSS?

Companies Asked: Growthify Media

CSS, which stands for Cascading Style Sheets, is used in web development to style and layout web pages. For example, while HTML defines the structure of the content on the web, CSS is used to style this content.

Let's assume there is an HTML element defined as:



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CSS > Introduction To CSS And CSS Selectors

Q. What is the role of CSS?

Companies Asked: Growthify Media

CSS, which stands for Cascading Style Sheets, is used in web development to style and layout web pages. For example, while HTML can be used to structure content on the web, CSS is used to style this content.

Let's assume there is an HTML element defined as:

```
<h1>Hello World</h1>
```

Using CSS, one can alter the appearance of this element, for instance:

```
h1 {  
    color: blue;  
    font-family: Arial, sans-serif;  
    text-align: center;  
}
```

In this example, the CSS will style the "Hello World" text to appear blue, in Arial font, and centered on the webpage. This is a simple demonstration of how CSS is used to control the presentation of HTML elements on a webpage.

Screenshot Tool

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Recently Asked Questions and Answers

1. What is the default font family?

Depending on the browser, the default font family changes.

2. What is the correct syntax for font family?

The CSS `font-family` property specifies the font of an HTML element.

It can hold several font names as a fallback system. If the browser does not support the first font, it tries the next font.

Example:

```
1. p {  
2.   font-family: "Georgia", "serif";  
3. }
```

CSS

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HTML 1 hour, 40 mins

CSS 2 hours, 15 mins

- Introduction To CSS And CSS Selectors** 30 mins
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- MCQ Practice 2** 15 mins
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It is recommended to quote the font family names that contain white spaces, digits, or punctuation characters other than hyphens.

To avoid mistakes, we are giving quotes to all font family names.

3. What is the correct way to write fonts with sans serif as a fallback?

```
1 > h1 {  
2   font-family: "Arial", "sans-serif";  
3 }
```

Q. How to import font-family in CSS?

To import a font family in CSS, we typically use the `@import` rule.

If you're using Google Fonts, for example, you can follow these steps:

1. Go to [Google Fonts](#).
2. Select the font you want to use.
3. Once you've selected the font, Google Fonts will provide you with an `@import` link that you can include in your CSS.

Here's a general example of how you can use the `@import` rule to import a font from Google Fonts:

```
1 > @import url('https://fonts.googleapis.com/css2?family=Open+Sans:wght@400;700');  
2 > body {  
3   font-family: 'Open Sans', sans-serif;  
4 }
```

CSS Completed

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Here's a general example of how you can use the `@import` rule to import a font from Google Fonts:

CSS

```
i 1 @import url('https://fonts.googleapis.com/css2?family=Roboto&display=swap');
 2
 3 <body>
 4   font-family: 'Roboto', sans-serif;
 5 </body>
```

In the example above, the `Roboto` font is imported from Google Fonts, and then it's applied to the `body` element.

However, it's worth noting a few things:

Using `@import` at the top of your CSS can delay the loading of fonts. Some developers prefer to include the link to the font in the HTML `<head>` using a `<link>` tag to avoid this potential delay.

HTML

```
x 1 <link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap" rel="stylesheet">
```

✓ Completed 

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Q. How can write font weight?

The CSS `font-weight` property allows us to adjust the thickness or weight of a font.

we can use keywords like "bold" or "normal" to set the font weight or use the numerical values like 500, 600, etc., to specify the weight precisely.

Example:

```
1 selector {  
2   font-weight: bold; /* Using a keyword */  
3 }  
4  
5 another-selector {  
6   font-weight: 600; /* Using a numerical value */  
7 }
```

Question 4 of 4

Which of the following is not a valid keyword for the CSS `font-weight` property?

bold

normal

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```
i 1 @import url('https://fonts.googleapis.com/css2?family=Roboto&display=swap');
 2
 3 + body {
 4   font-family: 'Roboto', sans-serif;
 5 }
```

In the example above, the `Roboto` font is imported from Google Fonts, and then it's applied to the `body` element.

However, it's worth noting a few things:

Using `@import` at the top of your CSS can delay the loading of fonts. Some developers prefer to include the link to the font in the HTML `<head>` using a `<link>` tag to avoid this potential delay.

HTML

```
☒ 1 <link href="https://fonts.googleapis.com/css2?family=Roboto&display=swap" rel="stylesheet">
```

✓ Completed 

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- MCQ Practice 1 15 mins
- CSS Properties 15 mins
- MCQ Practice 2 15 mins
- CSS Layouts And Box Model 20 mins
- MCQ Practice 3 20 mins

Q. How can write font weight?

The CSS `font-weight` property allows us to adjust the thickness or weight of a font.

we can use keywords like "bold" or "normal" to set the font weight or use the numerical values like 500, 600, etc., to specify the weight precisely.

Example:

```
1 selector {  
2   font-weight: bold; /* Using a keyword */  
3 }  
4  
5 another-selector {  
6   font-weight: 600; /* Using a numerical value */  
7 }
```

Question 4 of 4

Which of the following is not a valid keyword for the CSS `font-weight` property?

- bold
- normal
- thicker (1)

Completed 

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- ✓ Introduction To CSS And CSS Selectors □
① 30 mins
- MCQ Practice 1 □
① 15 mins
- ✓ CSS Properties □
① 15 mins
- MCQ Practice 2 □
① 15 mins
- CSS Layouts And Box Model □
① 20 mins
- MCQ Practice 3 □
① 20 mins

4. What are the CSS text properties?

Some of the CSS text properties are:

- color
- text-align
- text-decoration
- direction
- letter-spacing
- text-shadow
- text-transform
- word-spacing
- text-indent , etc.

5. How to align the button to the right without using the Bootstrap grid system?

- Using CSS Flexbox properties

```
i 1<div class="division">
2   <button>Button</button>
3 </div>
```

HTML

CSS

✓ Completed ↻

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- MCQ Practice 3 20 mins

5. How to align the button to the right without using the Bootstrap grid system?

- Using CSS Flexbox properties

```
i 1<div class="division">
2   <button>Button</button>
3 </div>
```

HTML

```
1<.division{>
2   display: flex;
3   justify-content: flex-end;
4 }
```

CSS

- Using CSS `text-align` property

```
i 1<div class="division">
2   <button>Button</button>
3 </div>
```

HTML

```
1<.division{>
2   text-align: right;
3 }
```

CSS

✓ Completed Completed

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- MCQ Practice 3 20 mins

6. How to center the text horizontally?

- The CSS **text-align** property is used to set the horizontal alignment of a text.
- We can use the CSS **text-align** property with the value `center` to center the text horizontally.

```
i 1 <p>Plan your trip.</p>
```

```
1 p {  
2   text-align: center;  
3 }
```

7. How do we underline the text in an HTML paragraph element?

The CSS `text-decoration` property with the value `underline` is used to underline the text in the HTML elements.

The CSS `text-decoration` property specifies the decoration added to the text.

Example:

```
1 .paragraph {  
2   text-decoration: underline;  
3 }
```

✓ Completed

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- MCQ Practice 3 20 mins

8. How to apply background color and color for the HTML main heading element?

```
1 < h1 {  
2   background-color: #eb8f34;  
3   color: #ffffff;  
4 }
```

9. What are the CSS Background properties?

The following are the **CSS Background properties**:

- background-color
- background-image
- background-position
- background-size
- background-repeat
- background-origin
- background-clip
- background-attachment , etc.

✓ Completed

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- [MCQ Practice 3](#) 20 mins

background-clip
background-attachment , etc.

10. How to stop background image repeating for empty space?

We can use the CSS property `background-repeat` with the value `no-repeat` to stop repeating the background image.

Example:

```
1 .card {  
2   background-image: url("https://d1tgh8fmlzexmh.cloudfront.net/ccbp-static-website/tajmahal-c1-img.png");  
3   background-repeat: no-repeat;  
4 }
```

CSS

11. Explain CSS background attachment property?

The CSS `background-attachment` property specifies the behaviour of the background image when the page is scrolled.

Values of the CSS `background-attachment` property are:

Value	Description
scroll	background image scrolls along with the HTML element.

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- MCQ Practice 3 20 mins

11. Explain CSS background attachment property?

The CSS `background-attachment` property specifies the behaviour of the background image when the page is scrolled.

Values of the CSS `background-attachment` property are:

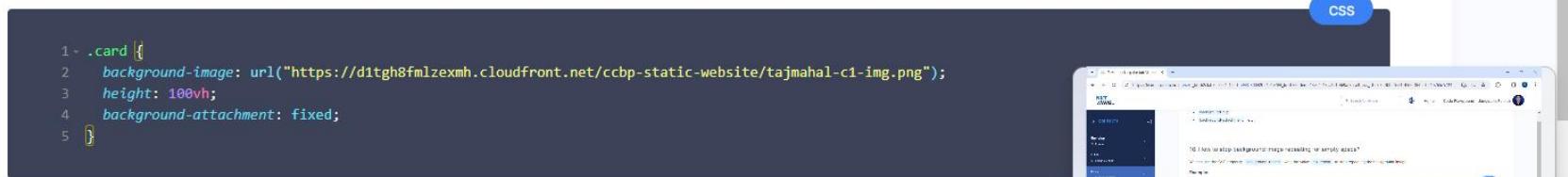
Value	Description
scroll	background image scrolls along with the HTML element.
fixed	background image doesn't scroll with the HTML element. It will be fixed with the viewport.

```
1. .card {  
2.   background-image: url("https://ditgh8fmlzexmh.cloudfront.net/ccbp-static-website/tajmahal-c1-img.png");  
3.   height: 100vh;  
4.   background-attachment: fixed;  
5. }
```

12. Explain CSS background color property?

The CSS `background-color` property specifies the background color of an HTML element.

CSS



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12. Explain CSS background color property?

The CSS **background-color** property specifies the background color of an HTML element.

```
1. .card {  
2.   background-color: lightblue;  
3. }
```

13. Explain CSS background image property?

The CSS **background-image** property specifies one or more background images of an HTML element.

Syntax:

```
1. body {  
2.   background-image: url("image1.png"), url("image2.png");  
3. }
```

CSS

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14. What is a CSS Gradient?

CSS Gradient is a special type of Background Image formed by the transition between two or more colors.

There are mainly two types of gradients:

- Linear Gradient
- Radial Gradient

Linear Gradient

It is the most basic type of gradient. To create a gradient, we must have at least two colors.

Syntax:

```
background-image: linear-gradient(direction, color1, color2);
```

By default, linear gradients run from top to bottom. You can change their transition by specifying a direction.

Direction	Description
to top	Colors transition (change) from bottom to top
to bottom	It is a default direction. Colors transition (change) from top to bottom
to left	Colors transition (change) from right to left
to right	Colors transition (change) from left to right

CSS

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By default, linear gradients run from top to bottom. You can change their transition by specifying a direction.

Direction	Description
to top	Colors transition (change) from bottom to top
to bottom	It is a default direction. Colors transition (change) from top to bottom
to left	Colors transition (change) from right to left
to right	Colors transition (change) from left to right

Example:

```
i 1 <div class="linear-gradient-background"></div>
```

```
1 .linear-gradient-background {  
2 background-image: linear-gradient(to right, #2196f3, #f44336);  
3 height: 100vh;  
4 }
```

Radial Gradient

Radial Gradients radiate out from a central point.

Example:

```
i 1 <div class="radial-gradient-background"></div>
```

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CSS

```
1 .linear-gradient-background {  
2   background-image: linear-gradient(to right, #2196f3, #f44336);  
3   height: 100vh;  
4 }
```

Radial Gradient

Radial Gradients radiate out from a central point.

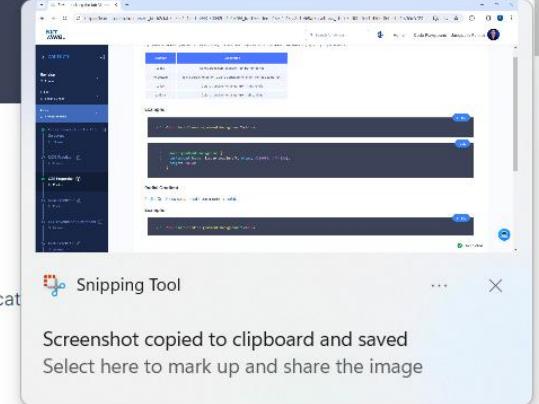
Example:

```
i 1 <div class="radial-gradient-background"></div>
```

```
1 .radial-gradient-background {  
2   background-image: radial-gradient(#2196f3, #f44336);  
3   height: 100vh;  
4 }
```

15. What is the CSS box shadow property?

The CSS `box-shadow` property attaches one or more shadows to an HTML element. It accepts either the `none` value that indicates no list of shadows ordered front to back.

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- MCQ Practice 3 20 mins

15. What is the CSS box shadow property?

The CSS `box-shadow` property attaches one or more shadows to an HTML element. It accepts either the `none` value that indicates no shadows or a comma-separated list of shadows ordered front to back.

Specify a box-shadow using,

- Two, three, or four *length* values.
 - If only two values are given, they are interpreted as *offset-x* and *offset-y* values.
 - If a third value is given, it is interpreted as a *blur-radius*.
 - If a fourth value is given, it is interpreted as a *spread-radius*.
- Optionally, the `inset` keyword.
- Optionally, a `color` value.

Value	Description
none	Default value. No shadow is displayed
h-offset	(Required) It specifies the horizontal distance. A positive value puts the shadow on the right side of the box, a negative value puts the shadow on the left side of the box
v-offset	(Required) It specifies the vertical distance. A positive value puts the shadow below the box, a negative value puts the shadow above the box
blur	(Optional) It specifies the blur radius. The higher the number, the more blurred the shadow will be
spread	(Optional) The spread radius. A positive value increases the size of the shadow, a negative value decreases the size of the shadow
color	(Optional) It specifies the color of the shadow
inset	(Optional) If not specified (default), the shadow is a drop shadow (box seems raised above the content). If specified, the shadow is an inset shadow (shadows are drawn inside the border, above the background, but below content)

To see how the CSS `box-shadow` property varies with different values, please refer to the [Box Shadow Generator](#).

✓ Completed 

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MCQ Practice 3 20 mins

CSS Display And Position 5 mins

MCQ Practice 4 5 mins

CSS > CSS Layouts And Box Model

Interview Questions

Recently Asked Questions and Answers

1. How to set the border style as dotted?

The CSS `border-style` property with the value `dotted` sets the border style of an HTML element as dotted.

2. What is the CSS border radius property?

The CSS `border-radius` property specifies the roundness of the four corners of an HTML element.

Example:

```
1. .button {  
2.   background-color: skyblue;  
3.   border-radius: 20px;  
4. }
```

CSS



:gin-left .

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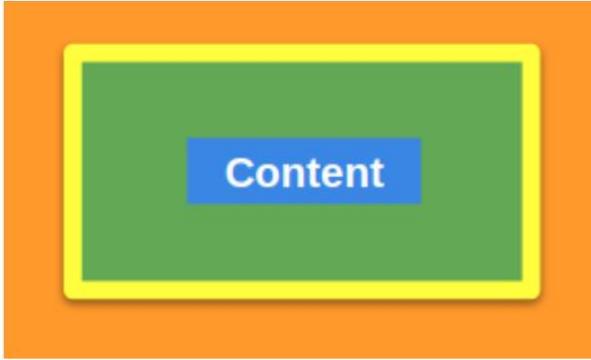
CSS Display And Position 5 mins

MCQ Practice 4 5 mins

CSS > CSS Layouts And Box Model

5. What is the CSS box model?

The CSS box model is essentially a box that wraps around every HTML element. It consists of margin, border, padding, and the actual content.



Content - The content of the box, where text and images appear. It represents the blue color in the above image.
Padding - A transparent space between the content and the border. It represents the green color in the above image.
Border - A borderline that goes around the padding and content. It represents the yellow color in the above image.
Margin - A transparent space outside the border. It represents the orange color in the above image.

6. What are the CSS Box properties?

The following are the CSS Box Properties:

margin-left .

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MCQ Practice 4 5 mins

CSS > CSS Layouts And Box Model

6. What are the CSS Box properties?

The following are the CSS Box Properties:

- height
- width
- border-style
- border-width
- border-color
- margin
- padding

7. What is the CSS box sizing property?

The CSS `box-sizing` property sets how the total width and height of an element is calculated.

The values of the CSS `box-sizing` property are:

- content-box:** (Default) The width and height properties include only content, but they do not include the padding, border, or margin.

```
1. .container {  
2.   width: 160px;  
3.   height: 80px;  
4.   padding: 20px;
```

CSS

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MCQ Practice 3 []

- 20 mins

CSS Display And Position []

- 5 mins

MCQ Practice 4 []

- 5 mins

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The CSS `box-sizing` property sets how the total width and height of an element is calculated.

The values of the CSS `box-sizing` property are:

- **content-box:** (Default) The width and height properties include only content, but they do not include the padding, border, or margin.

```
1~ .container {  
2~   width: 160px;  
3~   height: 80px;  
4~   padding: 20px;  
5~   margin: 10px;  
6~   border: 8px solid red;  
7~   box-sizing: content-box;  
8~  
9~   /* Total width: 160px + (2 * 20px) + (2 * 8px) = 216px  
10~    Total height: 80px + (2 * 20px) + (2 * 8px) = 136px
```

- **border-box:** The width and height properties include the content, padding, and border, but they do not include the margin.

```
1~ .container {  
2~   width: 160px;  
3~   height: 80px;  
4~   padding: 20px;  
5~   margin: 10px;
```

✓ Completed

[Ask doubt](#)

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The values of the CSS `box-sizing` property are:

- **content-box:** (Default) The width and height properties include only content, but they do not include the padding, border, or margin.

```
4 padding: 20px;
5 margin: 10px;
6 border: 8px solid red;
7 box-sizing: content-box;

8
9 /* Total width: 160px + (2 * 20px) + (2 * 8px) = 216px
10 Total height: 80px + (2 * 20px) + (2 * 8px) = 136px
11 Content box width: 160px
12 Content box height: 80px */
13
```

- **border-box:** The width and height properties include the content, padding, and border, but they do not include the margin.

```
1 .container {
2   width: 160px;
3   height: 80px;
4   padding: 20px;
5   margin: 10px;
6   border: 8px solid red;
```

[Ask doubt](#)

CSS



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MCQ Practice 3 20 mins

CSS Display And Position 5 mins

MCQ Practice 4 5 mins

CSS

```
4 padding: 20px;
5 margin: 10px;
6 border: 8px solid red;
7 box-sizing: content-box;
8
9 /* Total width: 160px + (2 * 20px) + (2 * 8px) = 216px
10 Total height: 80px + (2 * 20px) + (2 * 8px) = 136px
11 Content box width: 160px
12 Content box height: 80px */
13 }
```

• **border-box:** The width and height properties include the content, padding, and border, but they do not include the margin.

```
1 .container {
2   width: 160px;
3   height: 80px;
4   padding: 20px;
5   margin: 10px;
6   border: 8px solid red;
7   box-sizing: content-box;
8
9 /* Total width: 160px
10 Total height: 80px
```

CSS Completed

Ask doubt Feedback

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CSS 2 hours, 15 mins

Introduction To CSS And CSS Selectors 30 mins

MCQ Practice 1 15 mins

CSS Properties 15 mins

MCQ Practice 2 15 mins

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MCQ Practice 3 20 mins

CSS Display And Position 5 mins

MCQ Practice 4 5 mins

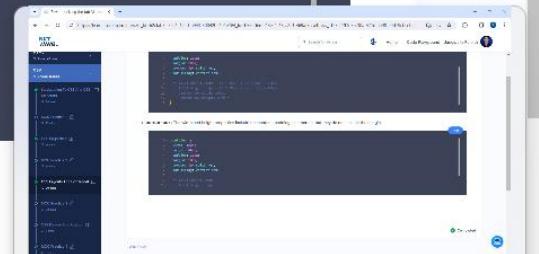
CSS

```
4 padding: 20px;
5 margin: 10px;
6 border: 8px solid red;
7 box-sizing: content-box;
8
9 /* Total width: 160px + (2 * 20px) + (2 * 8px) = 216px
10 Total height: 80px + (2 * 20px) + (2 * 8px) = 136px
11 Content box width: 160px
12 Content box height: 80px */
13 }
```

• **border-box:** The width and height properties include the content, padding, and border, but they do not include the margin.

```
4 padding: 20px;
5 margin: 10px;
6 border: 8px solid red;
7 box-sizing: content-box;
8
9 /* Total width: 160px
10 Total height: 80px
11 Content box width: 160px - (2 * 20px) - (2 * 8px) = 104px
12 Content box height: 80px - (2 * 20px) - (2 * 8px) = 24px */
13 }
```

Ask doubt


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○ MCQ Practice 1 15 mins

✓ CSS Properties 15 mins

○ MCQ Practice 2 15 mins

✓ CSS Layouts And Box Model 20 mins

○ MCQ Practice 3 20 mins

○ CSS Display And Position 5 mins

○ MCQ Practice 4 5 mins

8. Explain media queries and why are they used?

Media queries play a crucial part while developing Responsive Layouts.

Using Media queries, we can conditionally apply styles based on the device type (e.g. printers, TVs, etc.) and media features (e.g. viewport width, etc.).

Syntax:

```
1 @media media-type and (media-feature-expression) {  
2   /* CSS rules go here */  
3 }
```

CSS

- **Media Type:** Media type describes the general category of devices. Possible types of media are screen, print, tv, all, etc.
- **Media Feature:** Using Media Features, we can write Media Query for a specific feature. Examples: width, height, orientation, etc.

9. How to apply background color for an HTML element in only small devices?

We can apply background color for an HTML element in only small devices using media queries with the media feature `max-width`.

Example:

✓ Completed 

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MCQ Practice 3 20 mins

CSS Display And Position 5 mins

MCQ Practice 4 5 mins

9. How to apply background color for an HTML element in only small devices?

We can apply background color for an HTML element in only small devices using media queries with the media feature `max-width`.

Example:

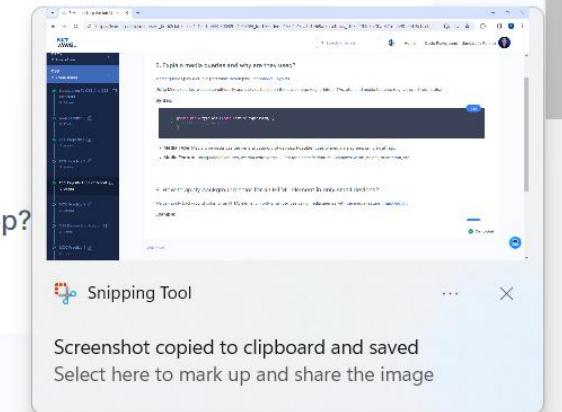
```
1. @media (max-width: 576px) {  
2.   h1 {  
3.     background-color: blue;  
4.   }  
5. }
```

10. How to create a responsive website without Bootstrap?

We can create a responsive website using **media queries** or **flexbox** without Bootstrap.

11. How to hide the container (div) element on mobiles and show it on iPad and desktop?

Ask doubt



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CSS Display And Position 5 mins

MCQ Practice 4 5 mins

11. How to hide the container (div) element on mobiles and show it on iPad and desktop?

We can hide the container (`div`) element in mobile and show it on iPad and desktop using Media Queries or Bootstrap.

Example: Using Media Queries

```
1~ div {  
2~   display: none;  
3~ }  
4~  
5~ @media (min-width: 576px) {  
6~   /*Assuming the tablet screen width is 576px.*/  
7~   div {  
8~     display: block;  
9~   }  
10~ }
```

12. What is a media type in a media query?

Media types describe the general category of devices.

Possible types of media are:

Ask doubt

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MCQ Practice 3 20 mins

CSS Display And Position 5 mins

MCQ Practice 4 5 mins

12. What is a media type in a media query?

Media types describe the general category of devices.

Possible types of media are:

- screen - For all Screened devices (mobiles, laptops, tablets, etc.)
- print - For Printers.
- tv - For Televisions.
- all - Matches all types of devices and more...

Example:

```
1 @media screen {  
2   .heading {  
3     color: green;  
4   }  
5 }
```

Note

If the media type is not declared, it will default to all.

[Ask doubt](#)

The screenshot shows a browser window with a code editor on the left containing the following CSS code:

```
1 @media screen {  
2   .heading {  
3     color: green;  
4   }  
5 }
```

To the right of the code editor is a preview window showing a heading element with a green color. A blue "CSS" button is visible at the top right of the preview area.

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① 1 hour, 40 mins

CSS
① 2 hours, 15 mins

Introduction To CSS And CSS Selectors
① 30 mins

MCQ Practice 1
① 15 mins

Introduction To CSS And CSS Selectors
① 30 mins

MCQ Practice 1
① 15 mins

CSS Properties
① 15 mins

MCQ Practice 2
① 15 mins

CSS Layouts And Box Model
① 20 mins

MCQ Practice 3
① 20 mins

CSS Display And Position
① 5 mins

MCQ Practice 4
① 5 mins

13. What is the syntax for a CSS Media Query?

Syntax:

```
@media media-type and (media-feature-expression) {  
    /* CSS rules go here */  
}
```

- Media types describe the general category of devices. Examples: `screen`, `print`, `tv`, `all`.
- Media Features include features like width, height, orientation, etc.

We can combine multiple Media Features in a single Media Query using Logical Operators and the comma operator.

Example: Using comma operator

```
1 - @media (orientation: landscape), (min-width: 600px) {  
2 -     .bg-container {  
3 -         background-color: yellow;  
4 -     }  
5 - }
```


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Ask doubt

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CSS Properties 15 mins

MCQ Practice 2 15 mins

CSS Layouts And Box Model 20 mins

MCQ Practice 3 20 mins

CSS Display And Position 5 mins

MCQ Practice 4 5 mins

14. How to align the two HTML container (div) elements in a single row?

- Making the HTML container elements as inline elements
 - Apply CSS `display` property with the value `inline` to both the HTML container (`div`) elements.
- Making the HTML container elements as flex-items
 - Wrap the two HTML container elements in another container element. Apply CSS `display` property with the value `flex` to the parent element of two HTML container elements

15. What is CSS Flexbox?

The CSS Flexbox is a layout method that helps to arrange the HTML elements in rows (horizontally) or columns (vertically).

Q. Why you are using Flexbox?

- Flexbox provides an efficient way to layout, align, and distribute space among items in a container, even when their sizes are unknown. It's a powerful tool for building complex layouts and UI components.
- Flexbox allows for easier and cleaner tools for setting up layouts that respond to different screen sizes. With flexbox, I can ensure the page layout must accommodate different screen sizes and display devices.

[Ask doubt](#)



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Introduction To CSS And CSS Selectors 15 mins

MCQ Practice 2 15 mins

Introduction To CSS And CSS Selectors 20 mins

MCQ Practice 3 20 mins

CSS Display And Position 5 mins

MCQ Practice 4 5 mins

Q. Why you are using Flexbox?

- Flexbox provides an efficient way to layout, align, and distribute space among items in a container, even when their sizes are unknown or dynamic. This makes it a powerful tool for building complex layouts and UI components.
- Flexbox allows for easier and cleaner tools for setting up layouts that respond to different screen sizes. With flexbox, I can ensure that elements behave predictably when the page layout must accommodate different screen sizes and display devices.
- Flexbox provides properties like `justify-content` and `align-items` that offer a granular level of control over alignment and spacing, which was harder to achieve with older layout models.
- With flexbox, I can easily change the visual order of elements without changing their order in the source code.

← Question 3 of 3

What is the primary reason for using Flexbox in CSS?

To add color and style to HTML elements.

To layout, align, and distribute space among items in a container. ✓

To add animations and transitions to HTML elements.

To add borders and backgrounds to HTML elements.

Ask doubt



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MCQ Practice 3 20 mins

CSS Display And Position 5 mins

MCQ Practice 4 5 mins

16. How to align the HTML elements inside the container element in a row using the CSS flexbox properties?

We can align the HTML elements inside the container element in a row by:

- Making the HTML container element as Flexbox container
- Specifying the flex direction as a row to the HTML container element. (You can skip it as flex direction is row by default)

```
1. .container {  
2.   display: flex;  
3. }
```

CSS

17. What is the CSS display property in Flexbox?

The CSS `display` property in Flexbox sets the layout of the children elements.

Providing `display` property with the value `flex` converts the element to a Flexbox Container. All the HTML elements that are direct children of Flexbox Container are called flex items.

Completed 

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MCQ Practice 4 5 mins

Providing `display` property with the value `flex` converts the element to a Flexbox Container. All the HTML elements that are direct children of Flexbox Container are called flex items.

18. What are the CSS Flexbox properties?

Some of the CSS Flexbox properties are:

- `display`
- `flex-direction`
- `justify-content`
- `align-items`
- `flex-wrap`
- `flex-flow`
- `align-content`
- `align-self`
- `flex-grow`
- `flex-basis`
- `flex-shrink`
- `order`, etc.

19. What is meant by the CSS justify content property?

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CSS > CSS Layouts And Box Model

S And CSS □

Box Model □

Position □

19. What is meant by the CSS justify-content property?

The CSS `justify-content` property specifies the alignment of flex-items along the main axis.

The values of the CSS `justify-content` property are:

Value	Description
flex-start (default)	flex-items will arrange to the start of the flexbox container
center	flex-items will arrange to the center of the flexbox container
flex-end	flex-items will arrange to the end of the flexbox container
space-between	Left-over space will be arranged in between the flex-items
space-around	Left-over space will be arranged around each flex-item

20. What is CSS flex property?

The CSS `flex` property specifies how a flex-item will grow or shrink according to the space available in its flexbox container.

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MCQ Practice 4 5 mins

CSS > CSS Layouts And Box Model

20. What is CSS flex property?

The CSS `flex` property specifies how a flex-item will grow or shrink according to the space available in its flexbox container.

It is a shorthand property for `flex-grow`, `flex-shrink` and `flex-basis`.

The CSS `flex` property may be specified using one, two, or three values.

```
1 flex: none /* value 'none' case */
2 flex: '<flex-grow>' /* One value syntax, variation 1 */
3 flex: '<flex-basis>' /* One value syntax, variation 2 */
4 flex: '<flex-grow> <flex-basis>' /* Two values syntax, variation 1 */
5 flex: '<flex-grow> <flex-shrink>' /* Two values syntax, variation 2 */
6 flex: '<flex-grow> <flex-shrink> <flex-basis>' /* Three values syntax */
```

Example: Using three values syntax

```
1 .container {
2   flex: 0 1 1;
3 }
```

Common Values for CSS `flex` property are:

Value	Description
<code>flex: 0 auto;</code> (Default)	Same as <code>flex: initial;</code> and is shorthand for <code>flex: 0 1 auto;</code>
<code>flex: auto;</code>	Same as <code>flex: 1 1 auto;</code>
<code>flex: none;</code>	Same as <code>flex: 0 0 auto;</code>

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CSS > CSS Layouts And Box Model

2. Justify Content:

The CSS `justify-content` property specifies the alignment of flex-items along the main axis.

The values of the CSS `justify-content` property are:

Value	Description
flex-start (default)	flex-items will arrange to the start of the flexbox container
center	flex-items will arrange to the center of the flexbox container
flex-end	flex-items will arrange to the end of the flexbox container
space-between	Left-over space will be arranged in between the flex-items
space-around	Left-over space will be arranged around each flex-item

3. Align Items:

The CSS `align-items` property specifies the alignment of flex-items along the cross axis.

The values of the CSS `align-items` property are:

Value	Description
stretch (default)	If the <code>flex-direction</code> is <code>ROW</code> , flex-items will stretch to their available height.
flex-start	flex-items will be at the start of the flexbox container
center	If the <code>flex-direction</code> is <code>ROW</code> , flex-items will be at the center of the available height in the flexbox container
flex-end	If the <code>flex-direction</code> is <code>ROW</code> , flex-items will be at the end of the available height in the flexbox container



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MCQ Practice 2 (15 mins)

CSS Layouts And Box Model (20 mins)

MCQ Practice 3 (20 mins)

CSS Display And Position (5 mins)

MCQ Practice 4 (5 mins)

CSS General (5 mins)

MCQ Practice 5 (5 mins)

Bootstrap (30 mins)

JavaScript (3 hours, 30 mins)

Interview Questions

Recently Asked Questions and Answers

1. What is the CSS display property?

The CSS `display` property is the most important property for controlling layout.

Using CSS `display` property,

- HTML element can be converted to inline or block-level element
- Layout for the children elements can be controlled

Values of the CSS `display` property are:

- `block`
- `inline`
- `flex`
- `inline-flex`
- `grid`
- `none`, etc.

Example:

CSS Continue

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CSS Properties (15 mins)

MCQ Practice 2 (15 mins)

CSS Layouts And Box Model (20 mins)

MCQ Practice 3 (20 mins)

CSS Display And Position (5 mins)

MCQ Practice 4 (5 mins)

CSS General (5 mins)

MCQ Practice 5 (5 mins)

Bootstrap (30 mins)

JavaScript (3 hours, 30 mins)

1. What is the CSS display property?

The CSS `display` property is the most important property for controlling layout.

Using CSS `display` property,

- HTML element can be converted to inline or block-level element
- Layout for the children elements can be controlled

Values of the CSS `display` property are:

- `block`
- `inline`
- `flex`
- `inline-flex`
- `grid`
- `none`, etc.

Example:

```
1 .container {  
2   display: flex;  
3 }
```

CSS

Continue

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CSS > CSS Display And Position

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- CSS** 2 hours, 15 mins
- Introduction To CSS And CSS Selectors 30 mins
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- MCQ Practice 2 15 mins
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2. Explain CSS display property and its value `inline-block` ?

The CSS `display` property with the value `inline-block` displays the HTML element as an inline-block container.

The inline-block container doesn't start on a new line but height and width can be applied to it.

3. What are the differences between `display: none` and `visibility: hidden` ?

<code>display: none</code>	<code>visibility: hidden</code>
1. It doesn't display the HTML element	1. It hides the HTML element (i.e cannot be seen in the layout/web page)
2. Space will not be allocated for an HTML element in the layout	2. Space will be allocated for an HTML element in the layout

4. How to convert inline elements to block-level elements?

We can convert the inline elements to block-level elements using the CSS `display` property.

The CSS property `display` with the value `block` converts any HTML element to a block-level element.

CSS 💡

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CSS > CSS Display And Position

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4. How to convert inline elements to block-level elements?

We can convert the inline elements to block-level elements using the CSS `display` property.

The CSS property `display` with the value `block` converts any HTML element to a block-level element.

`1. .container {
2. display: block;
3. }`

5. Explain CSS display property with the values `inline` and `block` ?

- The CSS `display` property with the value `block` converts an HTML element to a block-level element.
 - The block-level element always starts on a new line.
 - It always takes up the full width available
- The CSS `display` property with the value `inline` converts an HTML element to an inline element.
 - The inline element does not start on a new line.
 - It only takes up as much width as necessary.



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✓ CSS Layouts And Box Model (20 mins)

○ MCQ Practice 3 (20 mins)

✓ CSS Display And Position (5 mins)

○ MCQ Practice 4 (5 mins)

○ CSS General (5 mins)

○ MCQ Practice 5 (5 mins)

Bootstrap >
(30 mins)

JavaScript >
(3 hours, 30 mins)

React >
(2 hours)

General Web >
(5 mins)

More Interview Questions >
(2 hours, 10 mins)

Interview Questions

Recently Asked Questions and Answers

1. How can we layout the page for large screens and small screens?

We can build different layouts for large screens and small screens using:

- Bootstrap Grid System
- Media Queries
- Flexbox, etc.

Continue

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Bootstrap (30 mins)

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- Bootstrap Components (5 mins)
- Bootstrap Content (5 mins)
- Bootstrap Layout (5 mins)
- Bootstrap Utilities (5 mins)

Bootstrap > Introduction To Bootstrap

Interview Questions

Recently Asked Questions and Answers

1. Explain what is Bootstrap and its importance?

Bootstrap is a large collection of predefined reusable Code Snippets written in HTML, CSS, and Javascript. The Code Snippets include Buttons, Cards, Carousels, etc.

- It is created by Twitter
- It is currently used by companies like Twitter, LinkedIn, Spotify, Udemy, etc.
- More than 20 million websites are built using Bootstrap till now.

Importance of Bootstrap:

- Bootstrap can be used to develop desktop and mobile applications. There is a built-in capability to resize the app automatically, making it smooth to move from a website to a mobile app.
- Bootstrap includes HTML and CSS-based design templates for typography, forms, buttons, tables, navigation, modals, image carousels, etc.
- The user interface is easy to use and built using Bootstrap.

2. What are the advantages of Bootstrap?

Some of the advantages of Bootstrap are:

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Bootstrap > Introduction To Bootstrap

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Bootstrap 30 mins

Introduction To Bootstrap 10 mins

Bootstrap Components 5 mins

Bootstrap Content 5 mins

Bootstrap Layout 5 mins

Bootstrap Utilities 5 mins

2. What are the advantages of Bootstrap?

Some of the advantages of Bootstrap are:

- Time Saving:** Bootstrap provides predefined reusable code snippets which makes us not build everything from scratch.
- Consistency:** Bootstrap provides consistent output across all the browsers. It also solves inconsistencies between designers and developers.
- Customizable:** Bootstrap themes and templates can be customized as per our project requirement.
- Cross-browser Compatible:** Bootstrap is compatible with all the latest versions of browsers.
- Easy to Use:** Bootstrap is very simple to use. The setup process doesn't take too long and is relatively easy, even for beginners.

3. How to use Bootstrap code snippets?

To use the Code Snippets provided by Bootstrap, we need to add a piece of code within the HTML `head` element. We call it **Bootstrap CDN**.

```
1  <!DOCTYPE html>
2  <html>
3  <head>
4    <link
5      rel="stylesheet"
6      href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
7      integrity="sha384-JcK8qJiq61gNV9KGb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGmN5t9UJ0Z"
8      crossorigin="anonymous"
9  >
10 </head>
```

HTML

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Bootstrap > Introduction To Bootstrap

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4    <link
5      rel="stylesheet"
6      href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css"
7      integrity="sha384-JCkb8q3iqJ61gNV9Kgb8thSsNjpSL0n8PARn9HuZOnIxN0hoP+VmmDGmn5t9UJ0Z"
8      crossorigin="anonymous"
9  >
10 <script>
```

4. Name some of the Bootstrap class names?

Some of the Bootstrap class names are:

- btn
- btn-primary
- row
- container
- text-center

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Bootstrap > Introduction To Bootstrap

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```
9   />
10  <script
11    src="https://code.jquery.com/jquery-3.5.1.slim.min.js"
12    integrity="sha384-DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+0rCxRkfj"
13    crossorigin="anonymous"
14  </script>
15  <script
16    src="https://cdn.jsdelivr.net/npm/popper.js@1.16.1/dist/umd/popper.min.js"
17    integrity="sha384-9/reFTGAW83EW2RDu250VKaIzap3H66lZH81PoYlFhbGU+6BZp6G7niu735Sk71N"
18    crossorigin="anonymous"
--
```

HTML

4. Name some of the Bootstrap class names?

Some of the Bootstrap class names are:

- `btn`
- `btn-primary`
- `row`
- `container`
- `text-center`



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```
17      integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvf08shuf57BaghqFfPlYxofvL8/KUEFYiJOMMV+rV"
18      crossorigin="anonymous"
19    ></script>
20    <script
21      src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
22      integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvf08shuf57BaghqFfPlYxofvL8/KUEFYiJOMMV+rV"
23      crossorigin="anonymous"
24    ></script>
25  </head>
26  <body>
27    <button class="btn btn-primary">Get Started</button>
```

HTML

4. Name some of the Bootstrap class names?

Some of the Bootstrap class names are:

- `btn`
- `btn-primary`
- `row`
- `container`
- `text-center`

Ask Question

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HTML

```
21     src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js"
22     integrity="sha384-B4gt1jrGC7Jh4AgTPSdUtOBvf08shuf57BaghqFfpIYxofvL8/KUEfyIjOMMV+rV"
23     crossorigin="anonymous"
24   ></script>
25 </head>
26 <body>
27   <button class="btn btn-primary">Get Started</button>
28   <button class="btn btn-secondary">Get Started</button>
29 </body>
30 </html>
```

4. Name some of the Bootstrap class names?

Some of the Bootstrap class names are:

- btn
- btn-primary
- row
- container
- text-center
- text-danger many more

5. Why Developed The Bootstrap?

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Bootstrap (30 mins)

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- Bootstrap Components (5 mins)
- Bootstrap Content (5 mins)
- Bootstrap Layout (5 mins)
- Bootstrap Utilities (5 mins)

5. Who Developed The Bootstrap?

The Bootstrap is developed by **Mark Otto** and **Jacob Thornton** at Twitter.

6. Why Bootstrap is preferred for website development?

- Bootstrap has better features as compared to other web development platforms.
- It provides predefined reusable code snippets that enable the web developer to create a new website quickly. No need to do code from scratch.
- It provides extensive browser support for almost every known browser such as Opera, Chrome, Firefox, Safari, etc.
- It supports mobile applications with the help of responsive design and can adjust CSS as per the device, screen size, etc.
- It has a Massive Support Community that helps web developers when an issue occurs.
- Bootstrap provides JavaScript plugins that add more interaction to the website.

7. What does the Bootstrap package include?

The Bootstrap package includes,

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- Bootstrap Content** 5 mins
- Bootstrap Layout** 5 mins
- Bootstrap Utilities** 5 mins

Bootstrap > Introduction To Bootstrap

7. What does the Bootstrap package include?

The Bootstrap package includes,

Scaffolding: Bootstrap provides a basic structure with Grid System, link styles, and background.

CSS: Bootstrap comes with the feature of global CSS settings, fundamental HTML elements style and an advanced grid system.

Components: Bootstrap contains a lot of reusable components to provide iconography, dropdowns, navigation, alerts, pop-overs, and much more.

JavaScript Plugins: Bootstrap also contains a lot of custom JavaScript plugins. We can easily include them all, or one by one.

Customize: Bootstrap components are customizable and we can customize Bootstrap's components to get our own style.

8. What are the differences between Bootstrap and Foundation?

Some of the differences between Bootstrap and Foundation are:

Bootstrap	Foundation
Bootstrap offers an unlimited number of UI elements.	In Foundation UI element options are very limited.
Bootstrap uses pixels.	Foundation uses REMs.
Bootstrap is easy to use	Foundation is not great for beginners compared to Bootstrap

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9. What are the differences between different bootstrap versions?

Some of the differences between Bootstrap 5, Bootstrap 4, and Bootstrap 3 are:

Bootstrap 5	Bootstrap 4	Bootstrap 3
Has separate Portrait and Landscape mode on Smartphones.	Has separate Portrait and Landscape mode on Smartphones.	Both Portrait and Landscape mode looks identical.
Container size is 1320px	Container Size is 1140px	Container Size is 1170px
Has six class names prefixes (col-xxl, col-xl, col-lg-, col-md-, col-sm-, col-)	Has five class names prefixes (col-xl, col-lg-, col-md-, col-sm-, col-)	Has four class names prefixes (col-lg-, col-md-, col-sm-, col-xs-)
Uses CSS Flexbox, CSS functions and variables	Uses CSS Flexbox	Uses CSS Float and Clear
Has only responsive layout	Has only responsive layout	Has non responsive layout option
Uses better Cards	Uses Cards instead of wells and panels	Uses No Cards

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Bootstrap > Bootstrap Components

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Interview Questions

Recently Asked Questions and Answers

1. What are the different button styles in Bootstrap 4?

Some of the button styles in Bootstrap 4 are:

Button Styles	Class names
Buttons with different colors	btn-primary , btn-secondary , etc
Outline buttons with different colors	btn-outline-primary , btn-outline-secondary , etc.
Buttons with different sizes (Small, large)	btn-sm , btn-lg
Block-level buttons	btn-block

2. Design two HTML buttons, success and danger, using Bootstrap class names.

```
i 1 <button class="btn btn-success">Get Started</button>
  2 <button class="btn btn-danger">Get Started</button>
```

HTML

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Bootstrap > Bootstrap Components

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- Bootstrap Utilities 5 mins

2. Design two HTML buttons, success and danger, using Bootstrap class names.

HTML

```
i 1 <button class="btn btn-success">Get Started</button>
i 2 <button class="btn btn-danger">Get Started</button>
```

3. How to add an HTML button and style it using Bootstrap to the existing HTML document?

- Add the HTML `button` element in the HTML `body` element.
- Include the Bootstrap CDN in the HTML `head` element.
- Add the Bootstrap button class names to the HTML `button` element.

HTML

```
i 1 <button class="btn btn-success">Get Started</button>
```

4. What are the types of lists supported by Bootstrap?

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CONTENTS

Bootstrap > Bootstrap Components

4. What are the types of lists supported by Bootstrap?

Bootstrap supports all three types of lists, ordered (`ol`), unordered(`ul`) and description(`dl`) lists.

5. What is a Carousel?

The **Carousel** is a slideshow for cycling through images, text, etc. Slides will change for every few seconds.

We can add the different images in the **Carousel** by changing the image URL in the value of the HTML `src` attribute.

Bootstrap carousels support previous/next controls and indicators, etc.

For more details, please refer to [this](#)

6. Which of the following is not the Bootstrap background class name?

a. `bg-info`
b. `bg-primary`
c. `bg-danger`
d. `bg-error`

Answer: Option D - `bg-error`



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Recently Asked Questions and Answers

1. What are Contextual classes of table in Bootstrap?

- `.active` : Applies the hover color to a particular row or cell.
- `.success` : Indicates a successful or positive action.
- `.warning` : Identifies a warning that might need attention.
- `.danger` : Indicates a dangerous or potentially negative action.

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Notes Discussions

Notes + NEW NOTE 

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② 2 hours, 15 mins

Bootstrap >
③ 30 mins

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④ 10 mins
- ✓ Bootstrap Components □
⑤ 5 mins
- ✓ Bootstrap Content □
⑥ 5 mins
- ✓ Bootstrap Layout □
⑦ 5 mins
- ✓ Bootstrap Utilities □
⑧ 5 mins
- ✓ MCQ Practice ✍
⑨ 20 mins

JavaScript >
⑩ 3 hours, 30 mins

React >
⑪ 2 hours

Bootstrap > Bootstrap Layout

Recently Asked Questions and Answers

1. How do you use Bootstrap to make a page responsive?

We can make a page responsive by using the **Bootstrap Grid System** which helps us to create **columns** and **rows** to build a responsive layout of the page.

2. What is the Bootstrap grid system?

Bootstrap Grid System is a collection of reusable code snippets to create responsive layouts. It is made up of `containers`, `rows`, and `columns`.

- It uses a 12 column system for the layouting. We can create up to twelve columns across the page.
 - **Container** : The purpose of a container is to hold rows and columns.
 - **Row** : The purpose of a row is to wrap all the columns.
 - **Column** : We should place the columns inside a row and the content inside a column.
 - We can specify the number of columns our content should occupy in any device. The number of columns we specify should be a number in the range of **1 to 12**.
 - The Bootstrap class names `col-*` indicates the number of columns you would like to use out of the possible twelve columns per row. For example, `col-1`, `col-5`, etc.

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① 30 mins

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- ✓ Bootstrap Components 5 mins
- ✓ Bootstrap Content 5 mins
- ✓ Bootstrap Layout 5 mins
- ✓ Bootstrap Utilities 5 mins
- ✓ MCQ Practice 20 mins

JavaScript >
① 3 hours, 30 mins

React >
① 2 hours

Bootstrap > Bootstrap Layout

3. Can a 14 or 16 column grid system be made?

Bootstrap supports the customization of Bootstrap grid class names.

The number of grid columns can be modified by Sass variables. Sass variables are similar to the JS variables where we used to store the information.

- `$grid-columns` is used to generate the widths (in percent) of each column
- `$grid-gutter-width` sets the padding between the columns.

```
✗ 1 $grid-columns: 12 !default;
  2 $grid-gutter-width: 30px !default;
```

To know more about Customizing the Grid, please refer to [this](#).

4. What is col and span in Bootstrap?

col means column in Bootstrap. Bootstrap Grid System allows up to 12 columns across the page and each column is represented as a **span**.

5. What is a Bootstrap Container?

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① 30 mins

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- ② Bootstrap Layout 5 mins
- ② Bootstrap Utilities 5 mins
- ② MCQ Practice 20 mins

JavaScript >
① 3 hours, 30 mins

React >
① 2 hours

Bootstrap > Bootstrap Layout

COL means column in Bootstrap. Bootstrap Grid System allows up to 12 columns across the page and each column is represented as a **SPAN**.

5. What is a Bootstrap Container?

The container is the most basic layout class name in Bootstrap and is required when using the Bootstrap Grid System.

The purpose of a container is to hold rows and columns.

Bootstrap comes with three different containers:

- `.container` : It is a responsive, fixed-width container. Its `max-width` changes at each breakpoint.
- `.container-fluid` : It is a full-width container spanning the entire width of the viewport. (`width: 100%`)
- `.container-{breakpoint}` : It is 100% wide until the specified breakpoint. For higher breakpoints, it takes the `max-width`.

6. What are the Bootstrap class names for different breakpoints?

Bootstrap Grid Columns

Bootstrap provides different **Bootstrap Grid Column class name prefixes** for Five Responsive Tiers (Responsive Breakpoints).

Device	Device Size (Width)	Class Name Prefix
Extra small devices	<576px	col-
Small devices	>=576px	col-sm-
Medium devices	>=768px	col-md-
Large devices	>=992px	col-lg-
Extra large devices	>=1200px	col-xl-

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- ✓ Bootstrap Components 5 mins
- ✓ Bootstrap Content 5 mins
- ✓ Bootstrap Layout 5 mins
- ✓ Bootstrap Utilities 5 mins
- ✓ MCQ Practice 20 mins

JavaScript 3 hours, 30 mins

React 2 hours

Bootstrap > Bootstrap Layout

6. What are the Bootstrap class names for different breakpoints?

Bootstrap Grid Columns

Bootstrap provides different **Bootstrap Grid Column class name prefixes** for Five Responsive Tiers (Responsive Breakpoints).

Device	Device Size (Width)	Class Name Prefix
Extra small devices	<576px	col-
Small devices	>=576px	col-sm-
Medium devices	>=768px	col-md-
Large devices	>=992px	col-lg-
Extra large devices	>=1200px	col-xl-

Display Utilities

Examples: d-none , d-sm-none , d-md-none , etc.

7. What are the predefined class names of margin and padding in Bootstrap?

Margin Bootstrap class names	Padding Bootstrap class names
m-* mt-* mr-* mb-* ml-*	n-* nt-* nr-* nb-* nl-*

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TIME: 1 hour, 40 mins

CSS: 2 hours, 15 mins

Bootstrap: 30 mins

- ✓ Introduction To Bootstrap 10 mins
- ✓ Bootstrap Components 5 mins
- ✓ Bootstrap Content 5 mins
- ✓ Bootstrap Layout 5 mins
- ✓ Bootstrap Utilities 5 mins
- ✓ MCQ Practice 20 mins

JavaScript: 3 hours, 30 mins

React: 2 hours

EXAMPLES: d-none, d-sm-none, d-md-none, etc.

7. What are the predefined class names of margin and padding in Bootstrap?

Margin Bootstrap class names	Padding Bootstrap class names
m-* , mt-* , mr-* , mb-* , ml-*	p-* , pt-* , pr-* , pb-* , pl-*

The asterisk (*) symbols can be any number in the range of 0 to 5 or auto.

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Notes

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NXT WAVE™ Home Code Playground Jangipally Ranjith 

HTML 1 hour, 40 mins

CSS 2 hours, 15 mins

Bootstrap 30 mins

Introduction To Bootstrap 10 mins

Bootstrap Components 5 mins

Bootstrap Content 5 mins

Bootstrap Layout 5 mins

Bootstrap Utilities 5 mins

MCQ Practice 20 mins

JavaScript 3 hours, 30 mins

React 2 hours

Bootstrap > Bootstrap Utilities

1. What is Flexbox Utility in Bootstrap?

The Flexbox utilities in Bootstrap makes us quickly manage the layout, alignment, and sizing of grid columns, components, etc.

Some of the Flexbox utility class names in Bootstrap are:

- The `.d-flex` class name enables the flex behaviours.

Flexbox property	Class Names
flex-direction	<code>flex-row</code> , <code>flex-column</code> , etc.
justify-content	<code>justify-content-start</code> , <code>justify-content-end</code> , <code>justify-content-center</code> , <code>justify-content-between</code> , <code>justify-content-around</code> , etc.
align-items	<code>align-items-start</code> , <code>align-items-end</code> , <code>align-items-center</code> , <code>align-items-baseline</code> , <code>align-items-stretch</code> , etc.
align-self	<code>align-self-start</code> , <code>align-self-end</code> , <code>align-self-center</code> , <code>align-self-baseline</code> , <code>align-self-stretch</code> , etc.

2. Explain the Bootstrap class names `d-none` and `d-block` ?

Class Name	Description
<code>d-none</code>	Doesn't display an HTML element and doesn't take any space in the HTML document.
<code>d-block</code>	Displays an HTML element

