

MERN Stack Journey

Class 13 Notes

 Topic: Setup Essentials – Images, VS Code & Linking HTML with CSS

1 Getting URLs for Your Images

In modern web development, images are often stored on **cloud platforms** instead of local folders. One such popular platform is **Cloudinary**.

What is Cloudinary?

Cloudinary is a cloud-based service that allows you to:

- Upload images
- Store images securely
- Get **direct image URLs**
- Optimize images automatically

These URLs can then be used directly inside HTML and CSS.

Cloudinary Website

<https://cloudinary.com/>

Note

- To use Cloudinary, you need to **sign up**.
- After uploading an image, Cloudinary provides a **public image URL**.
- This URL can be used inside:
 - ``
 - `background-image: url("URL");`

Interview Question

Q: Why do developers prefer Cloudinary over local images? **A:**

- Faster loading via CDN
- No need to store images inside the project
- Better performance and scalability

2 Installing Visual Studio Code (VS Code)

Visual Studio Code is a lightweight, powerful code editor used for MERN stack development.

- ◆ Supported Operating Systems

- Windows
- Ubuntu / Linux
- macOS

Note

- VS Code supports extensions for:
 - HTML
 - CSS
 - JavaScript
 - React
 - Node.js

Interview Question

Q: Why is VS Code popular among web developers? **A:**

- Free and open-source
- Extension support
- Fast and lightweight
- Integrated terminal

3 Linking HTML and CSS Files

To apply CSS styles to an HTML page, we must **link the CSS file** to the HTML file.

- ◆ HTML `<link>` Element

- Used to connect HTML and CSS
- It is a **void element** (no closing tag)
- Must be placed inside the `<head>` tag

- ◆ Syntax

```
<link rel="stylesheet" href="tourism.css" />
```

- ◆ Explanation

Attribute	Description
<code>rel</code>	Relationship between HTML and linked file
<code>href</code>	Path to the CSS file

Important Notes

- `<link>` must be inside `<head>`
- CSS file name and path must be correct
- Without linking CSS, styles will not apply

MCQs (With Options & Answers)

Q1. Which HTML element is used to link HTML and CSS files?

- A. `<style>` B. `<script>` C. `<css>` D. `<link>`

 **Correct Answer:** D. `<link>`

Q2. The HTML `<link>` element is a void element.

- A. True B. False

 **Correct Answer:** A. True

Common Interview Questions

Q1. What is a void element in HTML?

Answer: A void element is an HTML element that does not have a closing tag, such as `<link>`, ``, `
`.

Q2. Where do we place the `<link>` tag and why?

Answer: Inside the `<head>` tag because CSS should be loaded before rendering the page content.

Q3. Can we link multiple CSS files to one HTML file?

Answer: Yes, multiple `<link>` tags can be used.

