

### 1. Research what is the importance of using meta tags in the HTML header

- Meta tags in HTML serve as important pieces of information for search engines.
- They are used to describe HTML elements and communicate the content of a website for search engines.
- Website metadata includes page titles, descriptions, keywords, and more to help search engines crawl and rank web pages.

### 3. Research:

• **GitHub use:** GitHub is an online software development platform. It's used for storing, tracking, and collaborating on software projects. It makes it easy for developers to share code files and collaborate with fellow developers on open-source projects.

• **What are: repositories, branches, pull requests:**

**Repositories:** (or "repo") is a storage space where your project's files and the revision history are stored.

**Branches:** is a separate line of development within a repository it allows you to work on different features or fixes without affecting the main codebase.

**Pull Requests:** is a way to propose changes to a repository it allows the developers to discuss and review code changes before merging them into the main branch.

• **GitHub commands: (e.g., git init, git clone, git add, git commit, git push, git pull).**

#### **Git init**

Description: Initializes a new Git repository in the current directory.

Usage: git init

#### **Git clone**

Description: Creates a copy of an existing repository.

Usage: git clone <repository-url>

#### **Git add**

Description: Stages changes (files) to be committed.

Usage: git add <file> or git add . (to stage all changes)

#### **Git commit**

Description: Records the staged changes in the repository's history.

Usage: git commit -m "commit message"

### **Git push**

Description: Uploads local repository changes to a remote repository.

Usage: git push <remote> <branch>

### **Git pull**

Description: Fetches and integrates changes from a remote repository into the current branch.

Usage: git pull <remote> <branch>