**Name: Ashrakat Ashraf Elkholy**

* What is the purpose of a Git repository, and how does it help front-end developers manage a project like an HTML/CSS/JS webpage?

1. Make code centerlized and save versions and updates
2. Save space
3. Keep track for each update and date and who made this update

* Explain the difference between tracked and untracked files in Git, and why might untracked files cause issues in a front-end project?

Tracked files are files that seen by git and saved in stage or repo

Untracked files contain updates or all file is new and not added or committed yet

* Why is it important to use a file to ignore certain items (e.g., node\_modules) in a Git repository, especially for front-end development?

1. There are private data that should not been shared like api key
2. There are un nessesary files like node modules that takes space or make proplems or conflicts no need for commit it so we ignore it

* How does viewing a project’s history benefit a front-end developer when working on multiple versions of a webpage? Git log command
* What is the role of GitHub in relation to a local Git repository, and how does hosting a project on GitHub Pages add value for a front-end developer
* **GitHub** acts as a **remote host** for your local Git repository, enabling **backup, collaboration, and version control** across teams.
* **GitHub Pages** adds value for front-end developers by allowing them to **easily host and share live websites** directly from their repositories, making it ideal for **portfolios, demos, and project showcases** without needing a separate web server.