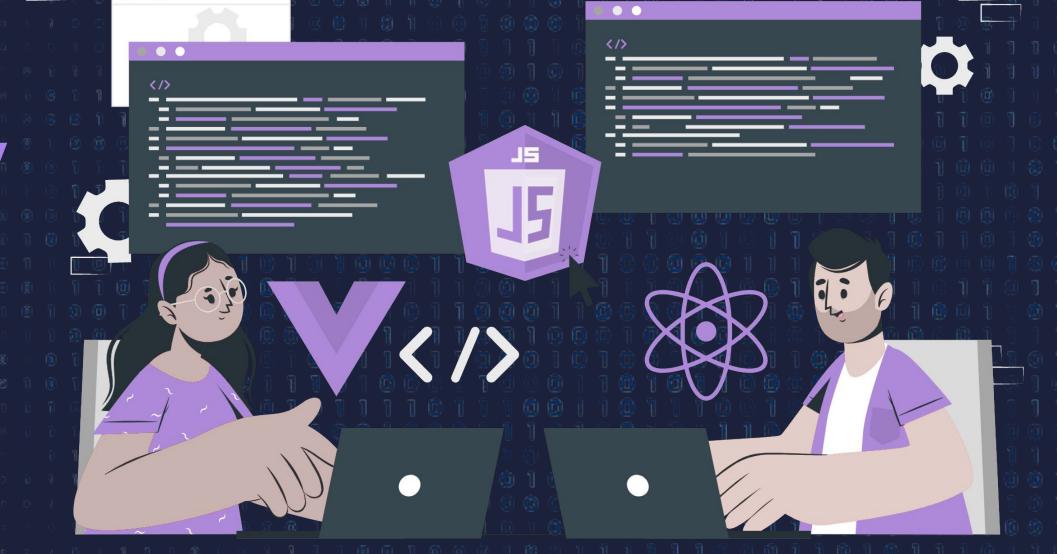PW SKILLS

Creating Branch, Merging Branch, & Checkout to main branch

What is Branch in Git

In Git, a branch is a separate line of development that allows you to work on a project without affecting the main branch (usually called master branch). A branch is essentially a pointer to a specific commit in the repository's history, along with all the commits that came before it.

How to create a new Branch and Checkout to it

To create a new branch in Git, you can use the git branch command followed by the name of the new branch you want to create. Here are the steps to create a new branch:

- Open your terminal or command prompt and navigate to the directory of the Git repository where you want to create the new branch.

- Use the git branch command followed by the name of the new branch you want to create. For example, to create a new branch named new-feature

- Once the new branch is created, you can switch to it using the git checkout command. For example, to switch to the new-feature branch

How to Merge Branch

- Switch to the branch you want to merge into (e.g. master)

- Use the git merge command with the name of the branch you want to merge (e.g. new-feature)

- Resolve any conflicts between the branches if necessary

- Commit the changes to complete the merge