**Frontend Advanced**

**Module III – Challenges­**

**GIT CHALLENGE**

**Challenge 01**

1. Create a new folder and initialize the repository
2. Paste the "instructions.txt" file into this folder
3. Add a .txt file named "file-1" containing any text of your choice to the working directory
4. Create a second .txt file named "file-2"
5. Add "file-1" and "file-2" to the staging area - don't add "instructions.txt"
6. Change the initial text you added to "file-1"
7. Now add all working directory files to the staging area
8. Create the first commit
9. Create a second branch named "feature" (two commands are possible)
10. Add a third .txt file ("file-3.txt") to this branch
11. Create a new commit
12. Add the following text to "file-3": "I will be deleted"
13. Add the updated file to the staging area
14. Undo the staged change
15. Add the following text: "Please add me to the master/main branch"
16. Commit this latest change
17. Merge the "master" (or "main") branch with "feature"
18. Delete the "feature" branch

**NODEJS CHALLENGE**

This time, we need to create notes App using NodeJS Environment and various npm libraries. The Application should have following features -

* + User should be able to run command from command prompt to create, read, delete and list the notes.
  + Should use local file storage
  + Should use terminal colors (hint – use chalk/color library)

The Application should enables the user to run following Commands from NodeJS console -

> node index.js add --title="New Title" --body="New Title Body"

> node index.js read --title="Some Title"

> node index.js remove --title="Some Title"

> node index.js list

*Hint – Use yargs, chalk, fs and file modules*

**WEBPACK CHALLENGE:**

Creating webpack config file to serve and build the application.