

Problem Statement:

You are required to design and simulate a browser tab navigation system using C programming based on the concepts of data structures learnt in class so far. For each page of the browser, you must store:

- pageID → a unique integer
- URL → a string (user input).

Functionalities to implement:

1] Visit a New Page

- Ask the user to enter a URL.
- Create a new node for this page with a unique pageID
- Display it as current tab

2] Moving to next tab in the browser if it exists

3] Moving to previous tab in the browser if it exists

4] Show current tab with tab details at all the step

5] Close a tab based on user's choice

6] Show history: To list all the tabs that are available

Sample Menu for user interaction:

- Visit a new page
- Go back
- Go forward
- Show current tab
- Close current tab
- Show history
- Exit

Instructions for submission:

1. Push the code file to your GitHub repo which you have shared for the evaluation.

2. Create a pdf file that contains your name, USN and screenshots of all the outputs.
Upload the file to same repo.
3. EVALUATION WILL BE DONE 1-1
4. Submit the assignments on GitHub by 22-08-2025.