# Git and GitHub Workshop Assignment

Complete the following tasks to practice core Git commands. Answer each question and perform the associated Git operations.

1. 1. Setup and Initialize:  
    - What command do you use to create a new directory named `git-workshop` and navigate into it?
2. 2. Initialize a Git Repository:  
    - What command initializes a Git repository in your directory?
3. 3. Create and Modify Files:  
    - How do you create a new file named `hello.txt` and add the content 'Hello, Git Workshop!' to it using a single command?
4. 4. Check the Status of Your Repository:  
    - What command displays the status of your repository?
5. 5. Stage and Commit Changes:  
    - What command stages the file `hello.txt`?   
    - What command commits the staged file with the message 'Add hello.txt with welcome message'?
6. 6. Branching:  
    - What command creates a new branch named `update-content`?  
    - How do you switch to the `update-content` branch?
7. 7. Make Changes on the Branch:  
    - What command would you use to append the text 'This is a simple Git assignment.' to `hello.txt`?  
    - What command stages and commits the changes with the message 'Update hello.txt with additional message'?
8. 8. Merge Changes:  
    - What command switches you back to the `main` branch?  
    - How do you merge the `update-content` branch into `main`?
9. 9. View Commit History:  
    - What command shows the commit history?
10. 10. Undo and Reset (Practice Safely):  
     - If you make a change to `hello.txt` that you want to revert before committing, what command would you use?  
     - How can you reset your branch to a previous commit (optional, for advanced practice)?
11. 11. Push to a Remote Repository (Optional):  
     - What command adds a remote repository named `origin`?  
     - What command pushes your local `main` branch to the remote repository?