**GIT ASSIGNMENT**

**Question 1**

Step 1: Create a new Git repository.

Step 2: Create a file and commit changes.

Step 3: View the commit history of your repository.

Step 4: Open the file you created earlier and make some changes to it.

Step 5: Check the file you modified is now marked as "modified" and unstaged.

Hint (git status)

Step 6: Stage the changes you made to the file and commit the changes to the repository.

Step 7: Clone the repository you have created in GitHub.

Step 8: Fetch the changes, navigate into the cloned repository using the command line, and use the command git fetch to fetch any changes that have been made to the original repository since you cloned it.

Step 9: Pull changes, merge the changes you just fetched into your local copy of the repository, and use the command git pull.

Solution of Question 1: -

Step 1: Create a new Git repository: -

• Open your terminal or command prompt.

. Set Your Username and email address as Git Configuration.

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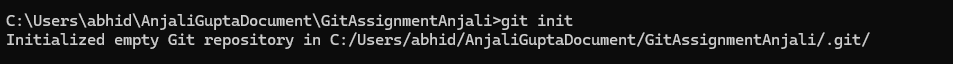
Description automatically generated

• Navigate to the directory where you want to create the repository.

A screen shot of a computer code

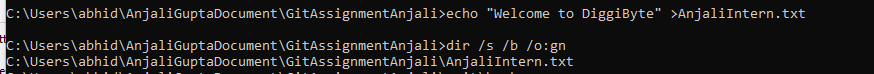
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• Run the command git init. This initializes a new Git repository in the current directory.



Step 2: Create a file and commit changes.

• Create a new file in the repository directory by command prompt with some text message



• Run the following commands: git status

git add <filename>

git commit -m "Initial commit" // This commits the changes with a message

git status

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Step 3: View the commit history of your repository.

• Run the command

git log.

Notes:- This will display a list of commits along with their details such as commit id hash, author, date, and commit message.

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Step 4: Open the file “AnjaliIntern.txt” and make some changes to it.

Before Changes:-

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After Changes: -

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Step 5: Check the file you modified is now marked as "modified" and unstaged.

• Run the command

git status.

Note :- This command shows the status of your working directory and staging area. It will display the modified file as unstaged.

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Step 6: Stage the changes you made to the file and commit the changes to the repository.

• Run the following commands:

git add AnjaliIntern.txt

git commit -m "Modified file" // Commit the changes with an appropriate message.

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Step 7: Clone the repository you have created on GitHub.

• Go to GitHub and navigate to the repository you want to clone.

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• Click on the "Code" button and copy the repository URL.

• In your terminal or command prompt, navigate to the directory where you want to clone the repository.

• Run the command git clone <repository URL>.

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Description automatically generated

Step 8: Fetch the changes, navigate into the cloned repository using the command line, and use the command git fetch to fetch any changes that have been made to the original repository since you cloned it.

• Navigate into the cloned repository directory using the command line.

• Run the command git fetch origin. This will fetch any changes from the remote repository named "origin".

A screen shot of a computer

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Step 9: Pull changes, merge the changes you just fetched into your local copy of the repository, and use the command git pull.

A screen shot of a computer

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