**GitHub Assignment**

1. Create a directory ‘project\_dir’ and cd to ‘project\_dir’.

Ans.

Text

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1. Initialize git version database.

Ans.

Text

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1. Create a new file index.html

Ans.

Text

Description automatically generated

1. Check the git status. You should find index.html as untracked file.

Ans.

Text

Description automatically generated

1. Stage the index.html file.

Ans.

Text

Description automatically generated

1. Commit index.html file.

Ans.

Text

Description automatically generated

1. Make few changes in index.html & create a new file info.txt file.

Ans.

A screenshot of a computer

Description automatically generated with medium confidence

Text

Description automatically generated

1. Check git status. You should find index.html & info.txt as untracked files.

Ans.

Text

Description automatically generated

1. Configure GIT to ignore all txt files.

Ans.

Graphical user interface, text

Description automatically generated

1. Again, check the git status. You should find only index.html as untracked file.

Ans.

Text

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1. State & commit index.html

Ans.

Text

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1. Log all your comments so far.

Ans.

Text

Description automatically generated

1. Make some changes in index.html.

Ans.

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1. Revert the change made in the previous step using git command.

Ans.

Text

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1. Again change index.html.

Ans.

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1. Stage index.html.

Ans.

Text

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1. Revert back the last stage.

Ans.

Text

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1. Rename ‘add’ command to ‘my-add’

Ans.

Text

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1. Using my\_add command Stage index.html again & commit the changes.

Ans.

Text

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1. Revert the last commit.

Ans.

Text

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Text

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**Git Branching – Section 1**

1. First take a backup of your assignments & projects. This is required because due to incorrect GIT operation you may lose your files.

Ans. Copied folder

1. Create an empty directory ‘Assignments’ & cd to ‘Assignments’.

Ans.

Text

Description automatically generated

1. Create a file README.txt inside ‘Assignments’ & write few lines about the contents of ‘Assignments’ folder.

Ans.

Text

Description automatically generated

1. Commit README.txt file.

Ans.

Text

Description automatically generated

1. Now create a new branch ‘html-assignments’.

Ans.

Text

Description automatically generated

1. Switch to ‘html-assignments’ branch.

Ans.

Text

Description automatically generated

1. Copy all HTML assignments inside ‘Assignments’ folder

Ans.

Text

Description automatically generated

1. Commit HTML assignments into ‘html-assignments’ branch.

Ans.

Text

Description automatically generated

1. Make minor changes into few files belonging to ‘html-assignments’ branch.

Ans.

Text

Description automatically generated

1. Commit those changed files.

Ans.

Text

Description automatically generated

1. Switch to master branch.

Ans.

Text

Description automatically generated

1. Make minor changes into README.txt file & commit those changes into master.

Ans.

A screenshot of a computer

Description automatically generated with medium confidence

Text

Description automatically generated

1. Again switch to ‘html-assignments’ branch.

Ans.

Text

Description automatically generated

1. Make minor changes into few files belonging to ‘html-assignments’ branch.

Ans.

Text

Description automatically generated

1. Commit those changes.

Ans.

Text

Description automatically generated

1. Switch to master.

Ans.

Text

Description automatically generated

1. Merge ‘html-assignments’ branch into master. Confirm all html assignments are shown in master.

Ans.

Text

Description automatically generated

1. Finally delete the ‘html-assignments’ branch.

Ans.

Text

Description automatically generated

**Git Branching – Section 2**

1. Create a new branch ‘css-assignments’.

Ans.

Text

Description automatically generated

1. Switch to ‘css-assignments’ branch.

Ans.

Text

Description automatically generated

1. Copy all CSS assignments inside ‘Assignments’ folder.

Ans.

Text

Description automatically generated

1. Commit CSS assignments into ‘css-assignments’ branch.

Ans.

Text

Description automatically generated

1. Make minor changes into README.txt file on line 1 belonging to ‘css-assignments’ branch.

Ans. Edited First line in Vi editor then checked it status

Text

Description automatically generated

1. Commit those changed files.

Ans.

Text

Description automatically generated

1. Switch to master branch.

Ans.

Text

Description automatically generated

1. Make minor changes into README.txt file on line 3 & commit those changes into master.

Ans. Edited line 3 in this file through Vi editor.

Text

Description automatically generated

1. Again switch to ‘css-assignments’ branch

Ans.

Text

Description automatically generated

1. Make minor changes into few files belonging to ‘css-assignments’ branch.

Ans.

Text

Description automatically generated

1. Commit those changes.

Ans.

Text

Description automatically generated

1. Switch to master.

Ans.

Text

Description automatically generated

1. Merge ‘css-assignments’ branch into master. Confirm all css assignments are shown in master.

Ans.

Text

Description automatically generated

1. Finally delete the ‘css-assignments’ branch.

Ans.

A screenshot of a computer

Description automatically generated with medium confidence

**Git Branching – Section 3**