**SECTION 00:--------**

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~ (master)

$ mkdir project\_dir

deepi@LAPTOP-V8URKFK8 MINGW64 ~ (master)

$ cd project\_dir

2. Initialize git version database. (git init)

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir

$ git init

Initialized empty Git repository in C:/Users/Dell/project\_dir/.git/

3. Create a new file index.html.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ touch index.html

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git status

On branch master

No commits yet

Untracked files:

(use "git add <file>..." to include in what will be committed)

index.html

nothing added to commit but untracked files present (use "git add" to track)

5.stage the index .html file.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git add index.html

6.commit index.html

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git commit -m "commiting html file called index"

[master (root-commit) cb025b4] commiting html file called index

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 index.html

7.make few changes in index.html& create a new file into.txt file.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ touch info.txt

8.check git status. You should find index .html& info.txt as untracked files.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

info.txt

no changes added to commit (use "git add" and/or "git commit -a")

9. Configure GIT to ignore all txt files.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ touch .gitignore

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

no changes added to commit (use "git add" and/or "git commit -a")

11. State & commit index.html

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git add index.html

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git commit -m "commited index with <head>"

[master 783b30c] commited index with <head>

1 file changed, 5 insertions(+)

12. Log all your comments so far.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git log

commit 783b30cf93f82b88a00c899e9d7f3c3f716f4009 (HEAD -> master)

Author: VegetaCR7 <harshavardinit@gmail.com>

Date: Mon Oct 25 17:41:07 2021 +0530

commited index with <head>

commit cb025b4dc10687798c6f68908f715d66d07f9331 (origin/master)

Author: VegetaCR7 <harshavardinit@gmail.com>

Date: Mon Oct 25 17:30:47 2021 +0530

commiting html file called index

13. Make some changes in index.html.

<html>

harsha vardhini

</html>

</h1>

h1

</h1>

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git checkout -- .

15. Again change index.html.

<html>

harsha vardhini

</html>

</h1>

h1

</h1>

16. Stage index.html

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git add index.html

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git status

On branch master

Changes to be committed:

(use "git restore --staged <file>..." to unstage)

modified: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

17. Revert back the last stage.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git restore --staged index.html

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git status

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

(use "git restore <file>..." to discard changes in working directory)

modified: index.html

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

no changes added to commit (use "git add" and/or "git commit -a")

18. Rename ‘add’ command to ‘my-add’.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git config --global alias.my-add add

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git my-add index.html

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git commit -m "commited index.html acc to steps"

[master 30832b3] commited index.html acc to steps

1 file changed, 3 insertions(+)

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git status

On branch master

Untracked files:

(use "git add <file>..." to include in what will be committed)

.gitignore

nothing added to commit but untracked files present (use "git add" to track)

20. Revert the last commit.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git log

commit 30832b3cfdac924387451a43448dffb891e3f359 (HEAD -> master)

Author: VegetaCR7 <harshavardinit@gmail.com>

Date: Mon Oct 25 18:48:02 2021 +0530

commited index.html acc to steps

commit 783b30cf93f82b88a00c899e9d7f3c3f716f4009

Author: VegetaCR7 <harshavardinit@gmail.com>

Date: Mon Oct 25 17:41:07 2021 +0530

commited index with <head>

commit cb025b4dc10687798c6f68908f715d66d07f9331 (origin/master)

Author: VegetaCR7 <harshavardinit@gmail.com>

Date: Mon Oct 25 17:30:47 2021 +0530

commiting html file called index

deepi@LAPTOP-V8URKFK8 MINGW64 ~/project\_dir (master)

$ git revert 30832b3cfdac924387451a43448dffb891e3f359

[master dfcfe81] Revert "commited index.html acc to steps"

1. file changed, 3 deletions(-)

**SECTION 01: --------**

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~

$ mkdir Assignments

deepi@LAPTOP-V8URKFK8 MINGW64 ~

$ cd Assignments

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ touch README.txt

24. Commit README.txt file.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git commit -m "committed readme"

[master (root-commit) 5307573] committed readme

1 file changed, 2 insertions(+)

create mode 100644 README.txt

25.now create a new branch ‘html-assignments’.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git branch html-assignments

26.switch to html-‘assigments’ branch.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git checkout html-assignments

Switched to branch 'html-assignments'

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (html-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (html-assignments)

$ git commit -m "modified html"

[html-assignments 0096afe] modified html

1 file changed, 9 insertions(+)

create mode 100644 Anime.html

29.make minor changes into few files belonging to ‘html-assigments’ branch.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (html-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (html-assignments)

$ git commit -m "modified html"

[html-assignments 0096afe] modified html

1 file changed, 9 insertions(+)

create mode 100644 Anime.html.

30.commit those changed files.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (html-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (html-assignments)

$ git commit -m "modified html"

[html-assignments 0096afe] modified html

1. file changed, 9 insertions(+)

create mode 100644 Anime.html.

31. Switch to master branch.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (html-assignments)

$ git checkout master

Switched to branch 'master'

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git commit -m "modified txt"

[master 1a2a96b] modified txt

1 file changed, 2 insertions(+), 1 deletion(-)

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git checkout html-assignments

Switched to branch 'html-assignments'

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (html-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (html-assignments)

$ git commit -m "modified html 2nd time"

[html-assignments 8babf5e] modified html 2nd time

1. file changed, 1 insertion(+)

35.commit those changes.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (html-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (html-assignments)

$ git commit -m "modified html 2nd time"

[html-assignments 8babf5e] modified html 2nd time

1 file changed, 1 insertion(+)

36.switch to master.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (html-assignments)

$ git checkout master

Switched to branch 'master'

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git merge html-assignments

Merge made by the 'recursive' strategy.

Anime.html | 10 ++++++++++

1 file changed, 10 insertions(+)

create mode 100644 Anime.html

38.finally delete the ‘html –assigments’ branch.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git branch -D html-assignments

Deleted branch html-assignments (was 8babf5e).

**SECTION 02: --------**

1.create a new branch ‘css assignements’.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git branch css-assignments

2.switch to ‘css-assignments’ branch

$ git checkout css-assignments

Switched to branch 'css-assignments'

M Anime.html

3.copy all css assignments inside ‘assigments’ folder.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ git commit -m "inittial css commit"

[css-assignments 5e7ffb2] inittial css commit

2 files changed, 7 insertions(+), 1 deletion(-)

create mode 100644 anistyle.css

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ ls

Anime.html README.txt anistyle.css

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ git commit -m "inittial css commit"

[css-assignments 5e7ffb2] inittial css commit

2 files changed, 7 insertions(+), 1 deletion(-)

create mode 100644 anistyle.css

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ ls

Anime.html README.txt anistyle.css

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ git commit -m "change in readme txt file"

[css-assignments 9ad1781] change in readme txt file

1 file changed, 2 insertions(+), 2 deletions(-)

6.commit those changed files.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ git commit -m "change in readme txt file"

[css-assignments 9ad1781] change in readme txt file

1 file changed, 2 insertions(+), 2 deletions(-)

7.switch to master branch

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ git checkout master

Switched to branch 'master'

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git commit -m "change in readme txt file in master"

[master 070d854] change in readme txt file in master

1 file changed, 2 insertions(+), 1 deletion(-)

9.again switch to css-‘assignments’ branch.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git checkout css-assignments

Switched to branch 'css-assignments'

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

11.commit those changes.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ git commit -m "minor css commit"

[css-assignments 935a8cd] minor css commit

1 file changed, 4 insertions(+)

12.switch to master.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (css-assignments)

$ git checkout master

Switched to branch 'master'

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master|MERGING)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master|MERGING)

$ git commit -m "commit manually resolve merge"

[master 15f0192] commit manually resolve merge

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git status

On branch master

nothing to commit, working tree clean

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git merge css-assignments

Already up to date.

14.finally delete the ‘css assignments’ branch.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git branch -D css-assignments

Deleted branch css-assignments (was 935a8cd).

**SECTION 03: --------**

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git branch js-assignments

2. Switch to ‘js-assignments’ branch.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git checkout js-assignments

Switched to branch 'js-assignments'

M Anime.html

3.Copy all JavaScript assignments inside ‘Assignments’ folder.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

4. Commit JavaScript assignments into ‘js-assignments’ branch.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

$ git commit -m "initial commit in branch"

[js-assignments 231a4dd] initial commit in branch

1. files changed, 3 insertions(+), 2 deletions(-)

create mode 100644 jsFile.txt

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

$ git commit -m "committed changes in readme of branch"

[js-assignments 5238742] committed changes in readme of branch

1 file changed, 1 insertion(+), 1 deletion(-)

6. Commit those changed files.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

$ git commit -m "committed changes in readme of branch"

[js-assignments 5238742] committed changes in readme of branch

1 file changed, 1 insertion(+), 1 deletion(-)

7.switch to master branch

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

$ git checkout master

Switched to branch 'master'

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

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git commit -m "committed changes in readme of master"

[master 10e7559] committed changes in readme of master

1 file changed, 1 insertion(+), 1 deletion(-)

9.again switch to ‘js assigments’ branch.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git checkout js-assignments

Switched to branch 'js-assignments'

10.make minor changes into few files belonging to ‘js –assigments ‘branch.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

$ git commit -m "commit changes in js file of branch"

[js-assignments 588d293] commit changes in js file of branch

1 file changed, 2 insertions(+), 1 deletion(-)

11.commit those changes.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

$ git commit -m "commit changes in js file of branch"

[js-assignments 588d293] commit changes in js file of branch

1 file changed, 2 insertions(+), 1 deletion(-)

12.switch to master.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (js-assignments)

$ git checkout master

Switched to branch 'master'

13. Merge ‘js-assignments’ branch into master. Confirm all JavaScript assignments are shown in master.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git merge js-assignments

Auto-merging README.txt

CONFLICT (content): Merge conflict in README.txt

Automatic merge failed; fix conflicts and then commit the result.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master|MERGING)

$ git add .

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master|MERGING)

$ git commit -m "commit manually resolve merge"

[master d74f5cb] commit manually resolve merge

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git merge js-assignments

Already up to date.

14.finally delete the js-‘assigments’branch.

deepi@LAPTOP-V8URKFK8 MINGW64 ~/Assignments (master)

$ git branch -D js-assignments

Deleted branch js-assignments (was 588d293).