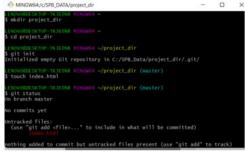
## Assignment 1 Git & GitHub

Install GIT & make sure it is added into PATH.

Use GIT as local VCS. Steps to follow:

- 1. Create a directory 'project\_dir' & cd to 'project\_dir'.
- 2. Initialize git version database. (git init)
- 3. Create a new file index.html.
- 4. Check the git status. You should find index.html as untracked file.



- 5. Stage the index.html file.
- 6. Commit index.html

```
MINOWS4/C/SPR_DATA/project.dir — □ X
ENONOMISSION-TRIBUNE MINGMS4 ~/project.dir (master)
5 git status
0n branch master
No commits yet
Changes to be committed:
    (use "git rm --cached <file>..." to unstage)
    in the committed:
    (use "git rm --cached <file>..." to unstage)

LENONOMISSION-TRIBUNE MINGMS4 ~/project.dir (master)
5 git commit -m "New file index.html added"
    [master (root-commit) choles0] New file index.html added
1 file changed, 0 insertions(-), 0 deletions(-)
    create mode 100644 index.html
```

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

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

```
MINGW64/cFP0_DATA/project_dir

ENOVG0DESKTOP-TKJEONR MINGm64 ~/project_dir (master)

$ vi index.html

TEMPMODESKTOP-TKJEONR MINGm64 ~/project_dir (master)

$ git status

to branch master

Changes not staged for commit:

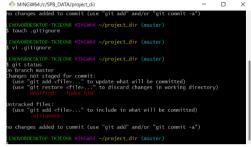
(use "git add ffile>..." to update what will be committed)

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

modificati: index.html

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

- 9. Configure GIT to ignore all txt files.
- 10. Again check the git status. You should find only index.html as untracked file.



11. State & commit index.html

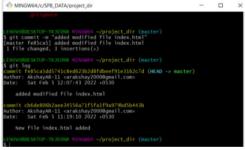
```
MINGWEA/CSPB_DATA/project_dir

Selvivo0005xTUP-TK_JEONE WINGGEA ~/project_dir (master)

S git status

Index. Index
```

12. Log all your comments so far.



- 13. Make some changes in index.html.
- 14. Revert the change made in the previous step using git command.
- 15. Again change index.html.
- 16. Stage index.html
- 17. Revert back the last stage.

```
MINIOWS4/C/SPB_DATA/project_dir

ENDVINDRESHTUP_TRJEONR MINGWS4 ~/project_dir (main)

$ vi index_html

ENDVINDRESHTUP_TRJEONR MINGWS4 ~/project_dir (main)

$ git restore index_html

ENDVINDRESHTUP_TRJEONR MINGWS4 ~/project_dir (main)

$ vi index_html

ENDVINDRESHTUP_TRJEONR MINGWS4 ~/project_dir (main)

$ git add index_html

ENDVINDRESHTUP_TRJEONR MINGWS4 ~/project_dir (main)

$ git rest

Unstaged changes after reset:

Windex_html

ENDVINDRESHTUP_TRJEONR MINGWS4 ~/project_dir (main)

ENDVINDRESHTUP_TRJEONR MINGWS4 ~/project_dir (main)
```

18. Rename 'add' command to 'my-add'.

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

```
ENDVORDESKTOP-TKJEONR MINOW64 ~/project_dir (main)

alias my-add-"git add'

ENDVORDESKTOP-TKJEONR MINOW64 ~/project_dir (main)

git my-add index.html

git: my-add index.html
```

#### 20. Revert the last commit.

```
MINOWS4/CSPB_DATA/project_dir (main)

ENOVSBESKUP-TRIEGOR NINGG64 ~/project_dir (main)

313704 (NEAD >= main) added changed index.html

313704 (NEAD >= main) added changed index.html

415038b Added changes

475ecab First commit

655cas Added modified file index.html

656cab First commit

5 git reset NEAD

Winstaged_changes After reset:

M index.html

5 git reset NEAD

Winstaged_changes After reset:

M index.html

5 git log --oneline

5 git log --oneline

476ecab First commit

5 git reset NEAD

Winstaged_changes After reset:

M index.html

6 git log --oneline

5 git log --oneline

7 git log --oneline

6 git log --oneline

7 git log --oneline

8 git log --oneline

8 git log --oneline

9 git log --oneline

1 git log --oneline

8 git log --oneline

9 git log --oneline

1 git log
```

Continued next page......

# **GIT Branching**

Objective: Commit HTML, CSS & JavaScript assignments into GIT.

SECTION-1 (HTML assignments) - Steps to follow:

- 21. First take a backup of your assignments & projects. This is required because due to incorrect GIT operation you may lose your files.
- 22. Create an empty directory 'Assignments' & cd to 'Assignments'.
- 23. Create a file README.txt inside 'Assignments' & write few lines about the contents of 'Assignments'



24. Commit README.txt file.

- 25. Now create a new branch 'html-assignments'.
- 26. Switch to 'html-assignments' branch.
- 27. Copy all HTML assignments inside 'Assignments' folder.

28. Commit HTML assignments into 'html-assignments' branch.

```
MINGW64/C/SP8_DATA/assignment — 

ENOVODDESKTOP-TKJEONR MINGW64 ~/assignment (html-assignments)
§ git status
On branch html-assignments
Ontracked files.
(use "git add file..." to include in what will be committed)
hotels.html
hotels.html
nothing added to commit but untracked files present (use "git add" to track)
IENNOVADDESKTOP-TKJEONR MINGW64 ~/assignment (html-assignments)
§ git add -A

ENOVODDESKTOP-TKJEONR MINGW64 ~/assignment (html-assignments)
§ git status
On branch the committed:
(use "git restore -staped file..." to unstage)
new file: hotels.html
new file: hotels.html
```

29. Make minor changes into few files belonging to 'html-assignments' branch.

```
LENDVORDESKTOP-TKJEONR MINGW64 ~/assignment (html-assignments)

ENDVORDESKTOP-TKJEONR MINGW64 ~/assignment (html-assignments)

ENDVORDESKTOP-TKJEONR MINGW64 ~/assignment (html-assignments)

S vi bookings.html

ENDVORDESKTOP-TKJEONR MINGW64 ~/assignment (html-assignments)

S vi travel.html
```

- 30. Commit those changed files.
- 31. Switch to master branch.

```
MINCW64/c/SPB_DATA/assignment

ENNYOWDRESTUP-TRJEARR MINCW64 ~/assignment (html-assignments)

§ git add ~A
karring: LF will be replaced by CRLF in bookings.html.

The file will have its original line endings in your working directory
warring: LF will be replaced by CRLF in hotels.html.

The file will have its original line endings in your working directory
warring: LF will be replaced by CRLF in travel.html.

The file will have its original line endings in your working directory
warring: LF will have its original line endings in your working directory

LINAMOMISTUP-TRJEAR MINAMOME ~/assignment (html-assignments)

§ git comit = "Addeding or changes to these files"

§ files changed, 3 insertions(-)
create mode 100644 bookings.html
create mode 100644 bookings.html
create mode 100644 travel.html

LENAMOMOMESTUP-TRJEARR MINAMOME ~/assignment (html-assignments)

§ git checkout master'
```

- 32. Make minor changes into README.txt file & commit those changes into master.
- 33. Again switch to 'html-assignments' branch.

```
MINGW64/CSPB_DATA/assignment

LENDYMBGESKIDP-TEJEONR MINGW64 ~/assignment (master)

5 vi README.

5 to add ...

1 to add ...

1
```

- 34. Make minor changes into few files belonging to 'html-assignments' branch.
- 35. Commit those changes.

```
MINGW64/GSP8_DATA/assignment

EMINGW64/GSP8_DATA/assignment

§ git checkous Intal-assignments

§ git checkous Intal-assignments

Sirtched to branch 'htel-assignments'

ENNOWSDESKTOP-TXJEDRR MINGW64 -/assignment (html-assignments)

§ vi travels.html

ENNOWSDESKTOP-TXJEDRR MINGW64 -/assignment (html-assignments)

§ vi bookings.html

ENNOWSDESKTOP-TXJEDRR MINGW64 -/assignment (html-assignments)

§ git add -A

warnings: LF will be replaced by CRLF in travels.html.

The file will have its original line endings in your working directory

ENNOWSDESKTOP-TXJEDRR MINGW64 -/assignment (html-assignments)

§ git commit -= "made champes to html files"

[file: champed. 2 insertions(4) and champes to html files

g files champed. 2 insertions(4) create mode 100044 travels.html
```

- 36. Switch to master.
- 37. Merge 'html-assignments' branch into master. Confirm all html assignments are shown in master.

```
LENDOGUESKTOP-TKJEONR MINGGA -/assignment (html-assignments)
$ git checkout master
$ git checkout master
$ sitched to branch 'master'
$ sit nerge html-assignments
$ git nerge html-assignments

Morpe made by the 'ort' strategy.
bookings.html | 2 ++
travels.html | 1 +
$ files changed, $ insertions(+)
$ create mode 100644 bookings.html

create mode 100644 travel.html

create mode 100644 travels.html

LENDOGUESKTOP-TKJEONR MINGGA -/assignment (master)
$ git | si s not a git command. See 'git --help'.

The most $ similar command is $ files.
```

38. Finally delete the 'html-assignments' branch.

```
LENOVORDESKIOP-TRICONR MINOMAR ~/assignment (Master)
§ ls
README.txt bookings.html hotels.html travel.html travels.html
LENOVORDESKIOP-TRICONR MINOMAR ~/assignment (Master)
§ git branch -d html-assignments (master)
Deleted branch html-assignments (was ef182c5).
LENOVORDESKIOP-TRICONR MINOMAR ~/assignment (master)
§ git branch
master
```

### SECTION-2 - (CSS assignments) - Steps to follow:

- 1. Create a new branch 'css-assignments'.
- 2. Switch to 'css-assignments' branch.
- 3. Copy all CSS assignments inside 'Assignments' folder.
- 4. Commit CSS assignments into 'css-assignments' branch.

```
MINOWS4/c/SPB_DATA/assignment — 

ENVOYOBESKIDP-TRJEONR MINOMS4 ~/assignment (master)

1 S

READM. Lxx bookings.html hotels.html travels.html

(sconnents.compt.trinow assignment (master)

1 git branch ad html-assignments (was effazcs).

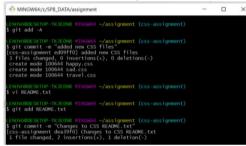
LENVOYOBESKIDP-TRJEONR MINOMS4 ~/assignment (master)

3 git branch

4 saster

9 saster
```

- 5. Make minor changes into README.txt file on line 1 belonging to 'css-assignments' branch.
- 6. Commit those changed files.



- 7. Switch to master branch.
- 8. Make minor changes into README.txt file on line 3 & commit those changes into master.
- 9. Again switch to 'css-assignments' branch.

```
LENVONDESKTOP-TRIEOUR MINGGG4 ~/assignment (css-assignment)
§ git checkout master
Switched to branch 'master'

ENVONDESKTOP-TRIEOUR MINGGG4 ~/assignment (master)
§ vi README.txt
LENVONDESKTOP-TRIEOUR MINGGG4 ~/assignment (master)
§ git add README.txt
LENVONDESKTOP-TRIEOUR MINGGG4 ~/assignment (master)
§ git add README.txt
LENVONDESKTOP-TRIEOUR MINGGG4 ~/assignment (master)
§ git greater and add master README.txt changes'
[master change] Add master README.txt changes'
[master change] Add master README.txt changes'
[sternovDBDSKTOP-TRIEOUR MINGGG4 ~/assignment (master)
§ git checkout css-assignment
switched to branch 'css-assignment'
```

- 10. Make minor changes into few files belonging to 'css-assignments' branch.
- 11. Commit those changes.

```
MINOWORLYCISPE_DATA/assignment

EMOVORESKTOP-TKJEONE MINOWAA -/assignment (css-assignment)

EARMEL tot happy.css sad.css travel.html

Dookings.html hotels.html travel.css travels.html

EMOVORESKTOP-TKJEONE MINOWAA -/assignment (css-assignment)

ivi happy.css

EMOVORESKTOP-TKJEONE MINOWAA -/assignment (css-assignment)

ivi sad.css

TANIOWAGA -/assignment -/as
```

12. Switch to master.

```
MINGW64/USPB_DAIA/assignment

CEMUVORDESKIDP-TKJEONR MINGW64 ~/assignment (Master)

§ git branch
css-assignment
"Master

§ git merge css-assignment (Master)

LEMOVORDESKIDP-TKJEONR MINGW64 ~/assignment (Master)

§ vi README_txt

LEMOVORDESKIDP-TKJEONR MINGW64 ~/assignment (Master)

§ git status

§ vi README_txt

LEMOVORDESKIDP-TKJEONR MINGW64 ~/assignment (Master)

§ git status

§ vi README_txt

LEMOVORDESKIDP-TKJEONR MINGW64 ~/assignment (Master)

§ git vi tatus

§ vi README_txt

LEMOVORDESKIDP-TKJEONR MINGW64 ~/assignment (Master)

§ git vi tatus

§ vi README_txt

LEMOVORDESKIDP-TKJEONR MINGW64 ~/assignment (Master)

§ git vi tatus

§ vi readment (Master)

(Fix conflicts and run (git commit*)

(use "git merge ~-abort" to abort the merge)

Changes to be committed:
```

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

```
MINOWORKSKUD-TICLOUR MINOMOR A-/assignment (master)

Sigit merge cos-assignment auto-merging README.txt

SUPPLICE (cost-assignment for the master)

Sigit merge cost-assignment for the master master
```

14. Finally delete the 'css-assignments' branch.

```
ENOVORDESKTOP-TKJEONR MINGM64 ~/assignment (master)
$ 15
README.txt happy.css sad.css travel.html
bookings.thml hotels.html travel.css travels.html
ENOVORDESKTOP-TKJEONR MINGM64 ~/assignment (master)
$ git branch -d css-assignment
beleted branch css-assignment (mas $2471da).
```

### SECTION-3 - (JavaScript assignments) Steps to follow:

- 1. Create a new branch 'js-assignments'.
- 2. Switch to 'js-assignments' branch.

```
MINOW64/C/SP8_DATA/assignment  

LENOVOBDESKTOP-TRJEOUR MINOM64 ~/assignment (master)
5 git branch
master

LENOVOBDESKTOP-TRJEOUR MINOM64 ~/assignment (master)
5 git branch jss-assignment
LENOVOBDESKTOP-TRJEOUR MINOM64 ~/assignment (master)
5 git checkout jss-assignment
Suitched to branch jss-assignment
Suitched to branch jss-assignment
```

3. Copy all JavaScript assignments inside 'Assignments' folder.

4. Commit JavaScript assignments into 'js-assignments' branch.

```
MINGW64/c/SPB_DATA/assignment
bookings.html happy_is sad.css travel.css travels.html
thypoperscripp.rtgrowm kinnoids -/assignment (jss-assignment)
s git commit -a = "New JSS files added"
an branch jss-assignment
intracked files:
    (use "git add <file>..." to include in what will be committed)
    happy_is
    sad(s)
nothing added to commit but untracked files present (use "git add" to track)

**INNOVABECKTOP-TKJEONR MINGW64 -/assignment (jss-assignment)
s git commit
s git add"
to track)

**NOVAMBECKTOP-TKJEONR MINGW64 -/assignment (jss-assignment)
s git commit
s git commit
s git commit
s git add git to track)
s git add git to track git to track git add git to track git to tr
```

- 5. Make minor changes into README.txt file on line 1 belonging to 'js-assignments' branch.
- 6. Commit those changed files.
- 7. Switch to master branch.

```
MINGW64/c/SPB_DATA/assignment

LEMOVORDESKTOP-TKJEDNE MINGW64 ~/assignment (jss-assignment)

$ vi README.txt

LEMOVORDESKTOP-TKJEDNE MINGW64 ~/assignment (jss-assignment)

$ git add ~4

$ git add ~4

$ sight coment = "made changes to README.txt"

[jss-assignment & ZerB68a] made changes to README.txt

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

LEMOVORDESKTOP-TKJEDNE MINGW64 ~/assignment (jss-assignment)

$ git checkout master

**TREADMENT CONTROL OF THE CONTROL OF
```

- 8. Make minor changes into README.txt file on line 1 & commit those changes into master.
- 9. Again switch to 'js-assignments' branch.

```
LINCOVERUSER DATA/assignment

LINCOVERUSER FINERAR MINAMES -/assignment (master)

5 vi README. (EXECUTED TRIEDAR MINAMES -/assignment (master)

5 git add README. (EXECUTED TRIEDAR MINAMES -/assignment (master)

5 git commit -m "Master changes"

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

**ENNOVERUSER UND-**TEIERDAR MINAMES -/assignment (master)

5 git checkout jss-assignment

5 git checkout jss-assignment

Switched to Branch 'jss-assignment

Switched to Branch 'jss-assignment
```

- 10. Make minor changes into few files belonging to 'js-assignments' branch.
- 11. Commit those changes.
- 12. Switch to master.

```
LENUVORDESKIDP-TRJEONR MINGME4 ~/assignment (jss-assignment)
$ vi happy.js

LENUVORDESKIDP-TRJEONR MINGME4 ~/assignment (jss-assignment)
$ vi sad.js

LENUVORDESKIDP-TRJEONR MINGME4 ~/assignment (jss-assignment)
$ git add ~4

warning: LF will be replaced by CRLF in happy.js.
The file will have its original line endings in your working directory warning: LF will be replaced by CRLF in sad.js.
The file will have its original line endings in your working directory Warning: LF will be replaced by CRLF in sad.js.

S git commit = "changes to JSS files

2 files changed. 2 insertions(+)

LENUVORDESKIDP-TRJEONR MINGME4 ~/assignment (jss-assignment)
$ git commit = "changes to JSS files

2 files changed, 2 insertions(+)

LENUVORDESKIDP-TRJEONR MINGME4 ~/assignment (jss-assignment)
$ git checkot master
$ witched to branch 'master'
```

- 13. Merge 'js-assignments' branch into master. Confirm all JavaScript assignments are shown in master.
- 14. Finally delete the 'js-assignments' branch.

