Gudipati yaswanth

Assessment 1:Use GIT as local VCS. Steps to follow:

- 1. Create a directory 'project_dir' & cd to 'project_dir'.
- 2. Initialize git version database. (gitinit). Create a new file index. html.
- 3. Check the git status. You should find index.html as untracked file.
- 4. Stage the index.html file.
- 5. Commit index.html
- 6. Make few changes in index.html & create a new file info.txt file.
- 7. Check git status. You should find index. html&info.txt a sun tracked files.
- 8. Configure GIT to ignore all txt files.
- 9. Again, check the git status. You should find only index. html as untracked file.
- 10. State&commit index.html. Log all your comments so far.
- 11. Make some changes in index.html.
- 12. Revert the change made in the previous step using git command.
- 13. Again change index.html.
- 14. Stage index.html
- 15. Revert back the last stage.
- 16. Rename 'add' command to 'my-add'.
- 17. Using my add command Stage index.html again & commit the changes.
- 18. Revert the last commit.

```
$ 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)
    <sup>S</sup>Untracked files:
           (use "git add <file>..." to include in what will be committed)
Some in the second second in the second s
               a@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
  as$ vi .gitignore
      yaswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
  as$ git status
 <sup>c</sup>On branch master
 On Changes not staged for commit:

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

No (use "git restore <file>..." to discard changes in working directory)
Nο
 Jnt
    Untracked files:
          (use "git add <file>..." to include in what will be committed)
not
    no changes added to commit (use "git add" and/or "git commit -a")
$ {yaswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git commit -a -m"committing updated index file"

Yaswarning: LF will be replaced by CRLF in index.html.
$ {The file will have its original line endings in your working directory
On [master 1bff7a6] committing updated index file
        1 file changed, 1 insertion(+)
         aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
Chas git log
     (commit lbff7a65242a7105f4777887da69db50242b71e5 (HEAD -> master)
Author: Gudipatiyaswanth <yaswanthyash6848@gmail.com>
Date: Mon Feb 14 17:39:12 2022 +0530
            committing updated index file
errcommit b54c16ac6775f762b7290c47e6efe2415517adb0
errAuthor: Gudipatiyaswanth yaswanthyash6848@gmail.com>
Date: Mon Feb 14 17:27:54 2022 +0530
Author identity unknown
 *** Please tell me who you are.
Run
    git config --global user.email "you@example.com"
git config --global user.name "Your Name"
to set your account's default identity.
Omit --global to set the identity only in this repository.
fatal: unable to auto-detect email address (got 'yaswa@LAPTOP-OKN71P5V.(none)')
  vaswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git config --global user.email "yaswanthyash6848@gmail.com"
yaswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git config --global user.name "Gudipatiyaswanth"
  /aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git status
On branch master
No commits yet
Changes to be committed:
    (use "git rm --cached <file>..." to unstage)
                    new file:
                                                index.html
yaswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git commit -m"committing index file"
[master (root-commit) b54c16a] committing index file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html
   aswa@LAPTOP-0KN71P5V MINGW64 ~/project_dir (master)
$ git status
On branch master
 nothing to commit, working tree clean
  vaswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ vi index.html
  aswa@LAPTOP-0KN71P5V MINGW64 ~/project_dir (master)
$ touch info.text
  aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git status
```

```
/aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ vi index.html
 /aswa@LAPTOP-OKN71P5V 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)
Untracked files:
  (use "git add <file>..." to include in what will be committed)
no changes added to commit (use "git add" and/or "git commit -a")
 aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
bash: i: command not found
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ vi.index.html
bash: vi.index.html: command not found
yaswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git restore index.html
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git status
On branch master
Changes to be committed:
 (use "git restore --staged <file>..." to unstage)
Untracked files:
 (use "git add <file>..." to include in what will be committed)
 raswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ vi index.html
```

```
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
                     index.html
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)
Untracked files:
 (use "git add <file>..." to include in what will be committed)
 raswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory
 aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
 vaswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git reset
 vaswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ alias my_add='git add'
 aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ my_add index.html
/aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
 aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git add index.html
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git status
 n branch master
  (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ vi index.html
 aswa@LAPTOP-OKN71P5V 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)
Untracked files:
  (use "git add <file>..." to include in what will be committed)
no changes added to commit (use "git add" and/or "git commit -a")
 aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory
 aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ ^C
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)
$ git status
 n branch master
Changes to be committed:
 (use "git restore --staged <file>..." to unstage)
  (use "git add <file>..." to include in what will be committed)
```

aswa@LAPTOP-OKN71P5V MINGW64 ~/project_dir (master)

\$ git commit -m "committing html file"
[html-assignments 133f539] committing html file
1 file changed, 287 insertions(+)
create mode 100644 sample1.html /aswa@LAPTOP-0KN71P5V MINGW64 ~/assignments (html-assignments) § git status On branch html-assignments nothing to commit, working tree clean yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (html-assignments) vim sample1.html yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (html-assignments) § git status on branch html-assignments Changes not staged for commit: (use "git add <file>..." to (use "git restore <file>..." to update what will be committed)
..." to discard changes in working directory) no changes added to commit (use "git add" and/or "git commit -a") yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (html-assignments) \$ git add sample1.html yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (html-assignments)

§ git commit -m "committing after change in html file"
[html-assignments 5b36bb2] committing after change in html file

1 file changed, 2 insertions(+), 2 deletions(-) vaswa@LAPTOP-OKN71P5V minGw64 ~/assignments (html-assignments) \$ git status On branch html-assignments nothing to commit, working tree clean yaswa@LAPTOP-OKN71P5V MING ~/assignments (html-assignments) vim README.txt yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (html-assignments)
\$ git commit -m "committing README file after change" on branch html-assignments

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) no changes added to commit (use "git add" and/or "git commit -a") vaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (html-assignments) vim sample1.html /aswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (html-assignments) git status on branch html-assignments

```
4 ~/assignments (html-assignments)
  git commit
$ git commit
On branch html-assignments
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)
no changes added to commit (use "git add" and/or "git commit -a")
yaswa@LAPTOP-OKN71P5V MINGw64 ~/
$ git checkout html-assignments
Already on 'html-assignments'
                                                   ~/assignments (html-assignments)
Already on 'html-a
M README.txt
                                               4 ~/assignments (html-assignments)
yaswa@LAPTOP-OKN71P5V
$ git checkout html-assignments
Already on 'html-assignments'
M README.txt
yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (html-assignments)
   vim sample1.html
                                              64 ~/assignments (html-assignments)
git status
on branch html-assignments
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)
no changes added to commit (use "git add" and/or "git commit -a")
yaswa@LAPTOP-0KN71P5V MINGw64 ~/assignments (html-assignments)
$ git add sample1.html
yaswa@LAPTOP-OKN71P5V MINGw64 ~/assignments (html-assignments)

§ git commit -m "committing again after change"

On branch html-assignments

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)
no changes added to commit (use "git add" and/or "git commit -a")
yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (html-assignments)
$ git checkout master
Switched to branch 'master'
M README.txt
yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (master)
$ git merge html-assignments
Updating 2df043e..5b36bb2
ast-forward
sample1.html | 287
1 file changed, 287 insertions(+)
```

Section 2(css assignments)Stepstofollow:

- 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.
- 5. Make minor changes into README.txt file online1 belonging to 'css-assignments' branch.
- 6. Commit those changed files.
- 7. Switch to master branch.
- 8. Make minor changes into README.txt file online3&commit those changes into master.
- 9. Again switch to 'css-assignments' branch.
- 10. Make minor changes into few files belonging to 'css-assignments' branch.
- 11. Commit those changes. Switch to master.
- 12. Merge 'css-assignments 'branch into master. Confirm all cssassignments are shown in master
- 13. Finally delete the 'css-assignments' branch

```
BLAPTOP-OKN71P5V MINGW64 ~/assignments (master)
  git branch css-assignments
                                      64 ~/assignments (master)
git checkout css-assignments/
witched to branch 'css-assignments'
README.txt
       BLAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
  git status
 n branch css-assignments
 hanges not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
no changes added to commit (use "git add" and/or "git commit -a")
     a@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
 git status
on branch css-assignments
Thanges not staged for commit:

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

(use "git restore <file>..." to discard changes in working directory)
Untracked files:
(use "git add <file>..." to include in what will be committed)
 o changes added to commit (use "git add" and/or "git commit -a")
     a@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
git add samplel.css
atal: pathspec 'samplel.css' did not match any files
         APTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
 git status
 n branch css-assignments
 hanges not staged for commit:
(use "git add <file>..." to update what will be committed)
(use "git restore <file>..." to discard changes in working directory)
Untracked files:
(use "git add <file>..." to include in what will be committed)
o changes added to commit (use "git add" and/or "git commit -a")
        *LAPTOP-OKN71PSV MINGW64 ~/assignments (css-assignments)
  git status
git status
on branch css-assignments
hanges not staged for commit:

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

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

```
no changes added to commit (use "git add" and/or "git commit -a")
           APTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
$ git add samplel.css
warning: LF will be replaced by CRLF in samplel.css.
The file will have its original line endings in your working directory
yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
$ git commit -m "committing README.txt"
[css-assignments bef39c3] committing README.txt
1 file changed, 7 insertions(+)
create mode 100644 sample1.css
      a@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
$ git checkout master
Switched to branch 'master'
           README. txt
 aswa@LAPTOP-OKN71P5V MING
                                       64 ~/assignments (master)
$ git add README.txt
warning: LF will be replaced by CRLF in README.txt.
The file will have its original line endings in your working directory
                                       64 ~/assignments (master)
$ git commit -m "committing master README.txt
[master c1c631b] committing master README.txt
1 file changed, 1 insertion(+)
 aswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (master)
$ git commit -m "committing master README.txt"
on branch master
nothing to commit, working tree clean
 aswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
$ git add sample1.css
yaswa@LAPTOP-OKN71PSV MINGW64 ~/assignments (css-assignments)
$ git commit -m "committing css file"
On branch css-assignments
nothing to commit, working tree clean
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
$ vim README.txt
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
$ git status
                                            ~/assignments (master)
  git branch css-assignments
yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'
           README.txt
 vaswa@LAPTOP-0KN71P5V MINGW64 ~/assignments (css-assignments)
git status
 On branch css-assignments
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)
no changes added to commit (use "git add" and/or "git commit -a")
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
$ git status
On branch css-assignments
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)
Untracked files:
(use "git add <file>..." to include in what will be committed)
no changes added to commit (use "git add" and/or "git commit -a")
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
$ git add sample1.css
fatal: pathspec 'sample1.css' did not match any files
 vaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
§ git status
 n branch css-assignments
 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)
```

```
no changes added to commit (use "git add" and/or "git commit -a")
 yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
$ git add sample1.css
warning: LF will be replaced by CRLF in sample1.css.
The file will have its original line endings in your working directory
yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)

§ git commit -m "committing README.txt"

[css-assignments bef39c3] committing README.txt

1 file changed, 7 insertions(+)

create mode 100644 sample1.css
       a@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
$ git checkout master
Switched to branch 'master'
M README.txt
 vaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (master)
$ git add README.txt
warning: LF will be replaced by CRLF in README.txt.
The file will have its original line endings in your working directory
yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (master)
$ git commit -m "committing master README.txt"
[master c1c631b] committing master README.txt
1 file changed, 1 insertion(+)
yaswa@LAPTOP-OKN71P5V MINGWG4 ~/assignments (master)
$ git commit -m "committing master README.txt"
On branch master
nothing to commit, working tree clean
 yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (master)
§ git checkout css-assignments
Switched to branch 'css-assignments'
 yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
s git add sample1.css
 yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments) git commit -m "committing css file"
On branch css-assignments
nothing to commit, working tree clean
 yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
   vim README. txt
 yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
S git status
 on branch css-assignments
 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)
no changes added to commit (use "git add" and/or "git commit -a")
```

Section 3(js assignments)

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

- 5. Make minor changes into README.txt file online1 belonging to 'js-assignments' branch.
- 6.Commit those changed

files. 7.Switch to master

branch.

- 8.Make minor changes into README.txt file online1 & commit those changes into master . 9.Again switch to 'js-assignments' branch.
- 10.Make minor changes into few files belonging to 'js-assignments' branch. 11.Commit those changes.
- 12. Switch to master.
- 13.Merge 'js-assignments' branch into master . Confirm all JavaScript assignments are shown in master. 14.Finally delete the 'js-assignments' branch.

```
yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (css-assignments)
git branch -d css-assignments
error: Cannot delete branch 'css-assignments' checked out at 'C:/Users/poong/assignments'
aswa@LAPTOP-OKN71P5V MINGw64 ~/assignments (css-assignments)
git branch js-assignments
                                 64 ~/assignments (css-assignments)
git checkout js-assignments
witched to branch 'js-assignments'
aswa@LAPTOP-OKN71P5V MINGm64 ~/assignments (js-assignments)
git status
on branch js-assignments
Ontracked files:
 (use "git add <file>..." to include in what will be committed)
nothing added to commit but untracked files present (use "git add" to track)
vaswa@LAPTOP-OKN71P5V MINGw64 ~/assignments (js-assignments)
 git add index.js
vaswa@LAPTOP-OKN71P5V MINGm64 ~/assignments (js-assignments)
git commit -m "committing js file"
[js-assignments ec62e3d] committing js file
1 file changed, 2863 insertions(+)
create mode 100644 index.js
vaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (js-assignments)
git add README.txt
vaswa@LAPTOP-OKN71P5V MINGm64 ~/assignments (js-assignments)
git commit -m "committing README.txt file"
on branch js-assignments
othing to commit, working tree clean
      @LAPTOP-OKN71P5V MINGW64 ~/assignments (js-assignments)
git checkout master
witched to branch 'master'
        APTOP-OKN71P5V MINGW64 ~/assignments (master)
git add README.txt
aswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (master)
git commit -m "committing README.txt file of master branch"
n branch master
othing to commit, working tree clean
     a@LAPTOP-OKN71P5V MINGW64 ~/assignments (master)
git checkout js-assignments
writched to branch 'js-assignments'
     a@LAPTOP-OKN71P5V MINGW64 ~/assignments (js-assignments)
 git add README.txt
```

```
64 ~/assignments (js-assignments)
$ git commit -m "commit change"
On branch js-assignments
nothing to commit, working tree clean
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (js-assignments)
$ git checkout master
Switched to branch 'master'
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (master)
f git add README.txt
yaswa@LAPTOP-OKN71P5V MINGw64 ~/assignments (master)
$ git commit -m "committing readme file of master branch"
On branch master
nothing to commit, working tree clean
yaswa@LAPTOP-OKN71P5V MINGw64 ~/assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'
 vaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (js-assignments)
$ git add README.txt
yaswa@LAPTOP-OKN71P5V MINGm64 ~/assignments (js-assignments)
$ git commit -m "commit change"
On branch js-assignments
nothing to commit, working tree clean
 /aswa@LAPTOP-OKN71P5V MINGw64 ~/assignments (js-assignments)
$ git checkout master
Switched to branch 'master'
yaswa@LAPTOP-OKN71P5V MINGw64 ~/assignments (master)
2 files changed, 2870 insertions(+)
create mode 100644 index.js
create mode 100644 sample1.css
 /aswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (master)
§ git status
On branch master
nothing to commit, working tree clean
yaswa@LAPTOP-OKN71P5V MINGW64 ~/assignments (master)
S git add .
 /aswa@LAPTOP-OKN71P5V MINGw64 ~/assignments (master)
$ git commit -m "final done"
On branch master
nothing to commit, working tree clean
yaswa@LAPTOP-OKN71P5V MINGw64 ~/assignments (master)
$ git branch -d js-assignments
Deleted branch js-assignments (was ec62e3d).
```