

## Section 0 :

- 1) Create a directory 'project\_dir' & cd to 'project\_dir'.

```
HP@DESKTOP-FPA0Q5D MINGW64 ~  
$ cd yash  
  
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash (master)  
$ mkdir project_dir  
  
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash (master)  
$ cd project_dir
```

- 2) Initialize git version database.

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)  
$ git init  
Initialized empty Git repository in C:/Users/HP/Yash/project_dir/.git/
```

- 3) Create a new file index.html

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)  
$ vi index.html  
  
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)  
$ cat index.html  
I am Yash Agrawal
```

- 4) Check the git status .

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/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

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/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
```

6) Commit index.html

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ git commit -m 'first commit'
[master (root-commit) c183a97] first commit
1 file changed, 1 insertion(+)
create mode 100644 index.html
```

7) Make few changes in index.html

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ vi index.html

HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ cat index.html
I am Yash Agrawal
I am learning git.

HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ vi info.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ cat info.txt
123444
```

8) Check git status.

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/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



```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ touch .gitignore
```

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

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/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) Stage and commit index.html

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/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

HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ git commit -m 'second commit'
[master 458a6d6] second commit
1 file changed, 1 insertion(+)
```

12) Log all your comments so far

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ git log
commit 458a6d698ba012dde5d3a9d83b1994c53fa4e4ae (HEAD -> master)
Author: yash0109@gmail.com <yashagrawa10109@gmail.com>
Date: Thu Jul 29 16:31:37 2021 +0530

    second commit

commit c183a974c3725f857193fa79afa7f4d026c35915
Author: yash0109@gmail.com <yashagrawa10109@gmail.com>
Date: Thu Jul 29 16:26:10 2021 +0530

    first commit
```

13) Make some changes in index.html

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ vi index.html

HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ cat index.html
I am Yash Agrawal
I am learning git.
very well
```

14) Revert the changes made in the previous step using git command

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ git reset --hard
HEAD is now at 458a6d6 second commit

HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ cat index.html
I am Yash Agrawal
I am learning git.
```

15) Again change index.html

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ vi index.html

HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ cat index.html
I am Yash Agrawal
I am learning git.
very well
```

16) Stage index.html

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ git add index.html
```

17) Revert back the last stage

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/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

HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ git reset
Unstaged changes after reset:
M    index.html

HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/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'

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ git config --global alias.my--add add
```

19) Using my-add command Stage index.html again commit the changes

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ git my--add index.html

HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ git commit -m 'third commit'
[master af5e7f0] third commit
1 file changed, 2 insertions(+)
```

20) Revert the last commit

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/yash/project_dir (master)
$ git log
commit af5e7f01df189d5f11fae79a6bd05dd5ada939f9 (HEAD -> master)
Author: yash0109@gmail.com <yashagrawal0109@gmail.com>
Date: Thu Jul 29 16:39:44 2021 +0530

    third commit

commit 458a6d698ba012dde5d3a9d83b1994c53fa4e4ae
Author: yash0109@gmail.com <yashagrawal0109@gmail.com>
Date: Thu Jul 29 16:31:37 2021 +0530

    second commit

commit c183a974c3725f857193fa79afa7f4d026c35915
Author: yash0109@gmail.com <yashagrawal0109@gmail.com>
Date: Thu Jul 29 16:26:10 2021 +0530

    first commit
```

## GIT BRANCHING

### Section 1:

21) First take backup

22) Create an empty directory 'Assignments' & cd to 'Assignments'

```
HP@DESKTOP-FPA0Q5D MINGW64 ~  
$ mkdir Yash1  
  
HP@DESKTOP-FPA0Q5D MINGW64 ~  
$ cd Yash1  
  
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1  
$ mkdir Assignments  
  
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1  
$ cd Assignments
```

23) Create a README.txt inside Assignments & cd to 'Assignments'

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments  
$ vi README.txt  
  
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments  
$ cat README.txt  
1.html  
2.html
```

24) Commit README.txt file

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments  
$ git init  
Initialized empty Git repository in C:/Users/HP/Yash1/Assignments/.git/  
  
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/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  
  
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)  
$ git commit -m 'first commit'  
[master (root-commit) 96acc14] first commit  
1 file changed, 2 insertions(+)  
create mode 100644 README.txt
```

25) Now create a new branch 'html-assignments'

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)  
$ git branch html-assignments
```

26) Switch to 'html-assignments'

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'
```

27) Copy all HTML assignments inside Assignments folder

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ ls
1.html README.txt
```

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ ls
1.html README.txt
```

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

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ git add 1.html
warning: LF will be replaced by CRLF in 1.html.
The file will have its original line endings in your working directory

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ git commit -m 'first commit'
[html-assignments 2682869] first commit
1 file changed, 1 insertion(+)
create mode 100644 1.html
```

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

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ vi 1.html

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ cat 1.html
Wow
Very nice

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ vi 1.html

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ cat 1.html
Wow
Very nice
very good
```



30) Commit those changed files

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/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)
        modified:   1.html

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

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ git add 1.html
warning: LF will be replaced by CRLF in 1.html.
The file will have its original line endings in your working directory

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ git commit -m 'second commit'
[html-assignments 1ac8136] second commit
1 file changed, 2 insertions(+)

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ git log
commit 1ac81366ebd62aca6ba5649512e5296c978eaf8e (HEAD -> html-assignments)
Author: yash0109@gmail.com <yashagrawal0109@gmail.com>
Date: Thu Jul 29 18:33:49 2021 +0530

    second commit

commit 2682869c5e2aa394b282553228cf202699356b8f
Author: yash0109@gmail.com <yashagrawal0109@gmail.com>
Date: Thu Jul 29 18:31:09 2021 +0530

    first commit

commit 96acc143f07ca3e463936c8b5549c4b6c3ae9901 (master)
Author: yash0109@gmail.com <yashagrawal0109@gmail.com>
Date: Thu Jul 29 18:26:45 2021 +0530

    first commit
```

31) Switch to master branch

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'
```

32) Make minor changes into README.txt and commit

```

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ vi README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ cat README.txt
1.html

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ vi README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ cat README.txt
fish
tiger
wolf

```

33) Again switch to 'html-assignments' branch

```

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

```

34) Make minor change to files in 'html-assignments' branch

```

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ vi 1.html

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ cat 1.html
Wow
Very nice
very good
excellent

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/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)
        modified:   1.html

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

```

35) Commit those changes

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ git add 1.html

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ git commit -m 'third commit'
[html-assignments 8ffd092] third commit
1 file changed, 1 insertion(+)
```

36) Switch to master

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'
```

37) Merge 'html-assignments' branch into master

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ ls
2.html  README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ ls
README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ ls
1.html  README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ git checkout Assignments
error: pathspec 'Assignments' did not match any file(s) known to git

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git merge html-assignments
Merge made by the 'recursive' strategy.
1.html | 4 ++++
1 file changed, 4 insertions(+)
```

38) Finally delete the 'html-assignments' branch

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git branch -D html-assignments
Deleted branch html-assignments (was 8ffd092).
```

## Section 2:

1) Create new branch 'css-assignments'

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git branch css-assignment
```

2) switch to 'css-assignments'

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git checkout css-assignment
Switched to branch 'css-assignment'
```

3) Copy all CSS assignments inside Assignment folder

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git add *.css
```

4) Commit css assignments into css-assignment branch

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (css-assignment)
$ git add *.css
warning: LF will be replaced by CRLF in CSS1.css.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in CSS2.css.
The file will have its original line endings in your working directory
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (css-assignment)
$ git commit -m 'added css files'
^C
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (css-assignment)
$ git commit -m 'added css files'
[css-assignment 01a9c3a] added css files
2 files changed, 2 insertions(+), 3 deletions(-)
```

5) Make minor changes into README.txt file

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (css-assignment)
$ vi README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (css-assignment)
$ git add README.txt
```

6) Commit

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (css-assignment)
$ git commit -m 'changes in line 1'
[css-assignment 7119e3b] changes in line 1
1 file changed, 1 insertion(+), 1 deletion(-)
```

7) Switch to master

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (css-assignment)
$ git checkout master
Switched to branch 'master'

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ |
```

8) Make minor changes into README file on line 3 & commit those changes

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ vi README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git add README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git commit -m 'changes in line 1'
[master d7fcc84] changes in line 1
1 file changed, 2 insertions(+), 2 deletions(-)
```

9) Switch to css-assignment branch

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git checkout css-assignment
Switched to branch 'css-assignment'
```

10) Make minor changes into few lines belonging to 'css-assignment'

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (css-assignment)
$ vi README.txt
```

11) Commit those changes

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (css-assignment)
$ git add README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (css-assignment)
$ git commit -m 'changes in README.txt'
[css-assignment e85f3e8] changes in README.txt
1 file changed, 2 insertions(+), 2 deletions(-)
```

12) Switch to master

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (css-assignment)
$ git checkout master
Switched to branch 'master'
M      CSS1.css
M      CSS2.css
```

13) Merge css-assignments branch to master

```
$ git merge css-assignment
Auto-merging README.txt
CONFLICT (content): Merge conflict in README.txt
Automatic merge failed; fix conflicts and then commit the result.
```

```
$ git commit -m "made changes to README solving merge issue"
[master 4811213] made changes to README solving merge issue
```

14) Finally delete the css-assignment branch

```
$ git branch -d css-assignment
Deleted branch css-assignment (was 930f5db).
```

## Section 3:

1) Create a new branch 'js-assignment'

```
HP@DESKTOP-FPA0Q5D MINGW64 ~  
$ cd Yash1  
  
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1  
$ cd Assignments  
  
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)  
$ git branch js-assignments
```

2) Switch to 'js-assignment' branch

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)  
$ git checkout js-assignments  
Switched to branch 'js-assignments'  
  
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)  
$ |
```

3) Copy all JavaScript assignments inside Assignments folder

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)  
$ git add *.js  
warning: LF will be replaced by CRLF in JS1.js.  
The file will have its original line endings in your working directory  
warning: LF will be replaced by CRLF in JS2.js.  
The file will have its original line endings in your working directory
```

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

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)  
$ git commit -m "added all JS files"  
[js-assignments a0c2db2] added all JS files  
2 files changed, 2 insertions(+)  
create mode 100644 JS1.js  
create mode 100644 JS2.js
```

5) Make minor changes in to README.txt file on line 1 belonging to 'js-assignments'

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)  
$ vi README.txt
```

6)Commit those changes

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)
$ git add README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)
$ git commit -m 'changes in line one'
[js-assignments d5d843f] changes in line one
1 file changed, 1 insertion(+), 1 deletion(-)
```

7)Switch to master branch

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)
$ git checkout master
Switched to branch 'master'

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$
```

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

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ vi README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ cat README.txt
fish
tig
wolf
Hi

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ vi README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ vi README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ cat README.txt
fsh
tig
wolf
Hi

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git add README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git commit -m 'changes in line 1'
[master 6903bc2] changes in line 1
1 file changed, 1 insertion(+), 1 deletion(-)
```



9) Again switch to 'js-assignments' branch

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)
$
```

10) Make minor changes into few lines

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)
$ cat README.txt
fis
tig
wolf
Hi

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)
$ vi README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)
$ vi README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)
$ cat README.txt
fis
tg
wolf
Hi
```

11) Commit those changes

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)
$ git add README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)
$ git commit -m 'minor change '
[js-assignments 5f8702d] minor change
1 file changed, 1 insertion(+), 1 deletion(-)
```

12) Switch to master

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (js-assignments)
$ git checkout master
Switched to branch 'master'

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$
```

13) Merge js-assignments branch into master.

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/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.

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master|MERGING)
$ git add README.txt

HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master|MERGING)
$ git commit -m "made changes to README solving merge issues"
[master ae9a350] made changes to README solving merge issues
```

14) Finally delete the js-assignments branch.

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git branch -d js-assignments
Deleted branch js-assignments (was 5f8702d).
```

## Section 3 GIT remote commit and push:

```
HP@DESKTOP-FPA0Q5D MINGW64 ~/Yash1/Assignments (master)
$ git push origin master
Enumerating objects: 53, done.
Counting objects: 100% (53/53), done.
Delta compression using up to 8 threads
Compressing objects: 100% (34/34), done.
Writing objects: 100% (53/53), 4.37 KiB | 95.00 KiB/s, done.
Total 53 (delta 11), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (11/11), done.
To https://github.com/yash0109/Assignments.git
* [new branch]      master -> master
```

## Section 4: Eclipse



