

SECTION 0:- Use GIT as local VCS.

```
MINGW64/c/Users/ABC/project_dir
ABC@MRUNAL MINGW64 ~
$ git --version
git version 2.33.1.windows.1
ABC@MRUNAL MINGW64 ~
$ mkdir project_dir
ABC@MRUNAL MINGW64 ~
$ cd project_dir
ABC@MRUNAL MINGW64 ~/project_dir
$ git init
Initialized empty Git repository in C:/Users/ABC/project_dir/.git/
ABC@MRUNAL 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)
ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git add index.html
ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git commit -m "Committing first time"
[master (root-commit) b31e899] Committing first time
1 file changed, 9 insertions(+)
 create mode 100644 index.html
ABC@MRUNAL 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")
```

```
no changes added to commit (use "git add" and/or "git commit -a")
ABC@MRUNAL MINGW64 ~/project_dir (master)
$ touch .gitignore
ABC@MRUNAL MINGW64 ~/project_dir (master)
$ echo "*.txt" > .gitignore
ABC@MRUNAL 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")
ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git add index.html
ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git commit -m "Committing HTML"
[master 4e8f373] Committing HTML
1 file changed, 1 insertion(+)
ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git log
commit 4e8f3737ced07f6e08caa3e82f9e30dee9e01fa (HEAD -> master)
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Wed Oct 20 23:56:23 2021 +0530

    Committing HTML

commit b31e899c8e1c3fc8948eb6382bf9d79611b85e52
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Wed Oct 20 23:52:34 2021 +0530

    Committing first time
ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git log --oneline
4e8f373 (HEAD -> master) Committing HTML
b31e899 Committing first time
ABC@MRUNAL MINGW64 ~/project_dir (master)
```

```
MINGW64/c/Users/ABC/project_dir

Removing p2

commit 4e8f3737ced07fe108caa3a82f9e30eee9e01fa
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Wed Oct 20 23:56:23 2021 +0530

    Committing HTML

commit b31e899c8e1c3fc8948eb6382bf9d79611b85e52
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Wed Oct 20 23:52:34 2021 +0530

    Committing first time

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git revert 1d64a72ee0631bc64cea5008652210282d6a05c
[master 4d97cd0] Revert "Removing p2"
1 file changed, 1 insertion(+), 1 deletion(-)

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git log
commit 4d97cd00d29df78c45cce7cf052b90e4edaa6193 (HEAD -> master)
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Thu Oct 21 00:01:43 2021 +0530

    Revert "Removing p2"

    This reverts commit 1d64a72ee0631bc64cea5008652210282d6a05c.

commit 1d64a72ee0631bc64cea5008652210282d6a05c
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Thu Oct 21 00:00:24 2021 +0530

    Removing p2

commit 4e8f3737ced07fe108caa3a82f9e30eee9e01fa
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Wed Oct 20 23:56:23 2021 +0530

    Committing HTML

commit b31e899c8e1c3fc8948eb6382bf9d79611b85e52
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Wed Oct 20 23:52:34 2021 +0530

    Committing first time

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ |
```

```
MINGW64/c/Users/ABC/project_dir
$ git add index.html

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git commit -m "Removing p2"
[master 1d64a72] Removing p2
1 file changed, 1 insertion(+), 1 deletion(-)

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git log
commit 1d64a72ee0631bc64cea5008652210282d6a05c (HEAD -> master)
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Thu Oct 21 00:00:24 2021 +0530

    Removing p2

commit 4e8f3737ced07fe108caa3a82f9e30eee9e01fa
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Wed Oct 20 23:56:23 2021 +0530

    Committing HTML

commit b31e899c8e1c3fc8948eb6382bf9d79611b85e52
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Wed Oct 20 23:52:34 2021 +0530

    Committing first time

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git revert 1d64a72ee0631bc64cea5008652210282d6a05c
[master 4d97cd0] Revert "Removing p2"
1 file changed, 1 insertion(+), 1 deletion(-)

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git log
commit 4d97cd00d29df78c45cce7cf052b90e4edaa6193 (HEAD -> master)
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Thu Oct 21 00:01:43 2021 +0530

    Revert "Removing p2"

    This reverts commit 1d64a72ee0631bc64cea5008652210282d6a05c.

commit 1d64a72ee0631bc64cea5008652210282d6a05c
Author: Mrunal <parabmrunal24@gmail.com>
Date:   Thu Oct 21 00:00:24 2021 +0530

    Removing p2

commit 4e8f3737ced07fe108caa3a82f9e30eee9e01fa
Author: Mrunal <parabmrunal24@gmail.com>
```

```
MINGW64/c/Users/ABC/project_dir
commit 1d64a72ee0631bc64ce5a5008652210282d6a05c
Author: Mrunal <parabmrunal124@gmail.com>
Date: Thu Oct 21 00:00:24 2021 +0530

    Removing p2

commit 4e8f3737ced07fe108caa3a82f9e30eee9e01fa
Author: Mrunal <parabmrunal124@gmail.com>
Date: Wed Oct 20 23:56:23 2021 +0530

    Committing HTML

commit b31e899c8e1c3fc8948eb6382bf9d79611b85e52
Author: Mrunal <parabmrunal124@gmail.com>
Date: Wed Oct 20 23:52:34 2021 +0530

    Committing first time

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git config alias.my-add add

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git my-add index.html

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git commit -m "Final"
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)

ABC@MRUNAL 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)

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git log
commit 4d97cd00d29df78c45cce7cf052b90e4edaa6193 (HEAD -> master)
Author: Mrunal <parabmrunal124@gmail.com>
Date: Thu Oct 21 00:01:43 2021 +0530

    Revert "Removing p2"
```

```
MINGW64/c/Users/ABC/project_dir
ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git log
commit 4d97cd00d29df78c45cce7cf052b90e4edaa6193 (HEAD -> master)
Author: Mrunal <parabmrunal124@gmail.com>
Date: Thu Oct 21 00:01:43 2021 +0530

    Revert "Removing p2"

    This reverts commit 1d64a72ee0631bc64ce5a5008652210282d6a05c.

commit 1d64a72ee0631bc64ce5a5008652210282d6a05c
Author: Mrunal <parabmrunal124@gmail.com>
Date: Thu Oct 21 00:00:24 2021 +0530

    Removing p2

commit 4e8f3737ced07fe108caa3a82f9e30eee9e01fa
Author: Mrunal <parabmrunal124@gmail.com>
Date: Wed Oct 20 23:56:23 2021 +0530

    Committing HTML

commit b31e899c8e1c3fc8948eb6382bf9d79611b85e52
Author: Mrunal <parabmrunal124@gmail.com>
Date: Wed Oct 20 23:52:34 2021 +0530

    Committing first time

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git revert 4d97cd00d29df78c45cce7cf052b90e4edaa6193
[master 41f4279] Revert "Revert "Removing p2""
1 file changed, 1 insertion(+), 1 deletion(-)

ABC@MRUNAL MINGW64 ~/project_dir (master)
$ git log
commit 41f42798850bbd6a9cf5fe8ab1922e844be37982 (HEAD -> master)
Author: Mrunal <parabmrunal124@gmail.com>
Date: Thu Oct 21 00:05:47 2021 +0530

    Revert "Revert "Removing p2""

    This reverts commit 4d97cd00d29df78c45cce7cf052b90e4edaa6193.

commit 4d97cd00d29df78c45cce7cf052b90e4edaa6193
Author: Mrunal <parabmrunal124@gmail.com>
Date: Thu Oct 21 00:01:43 2021 +0530

    Revert "Removing p2"

    This reverts commit 1d64a72ee0631bc64ce5a5008652210282d6a05c.
```

```
MINGW64/c/Users/ABC/project_dir
commit b31e899c8e1c3fc8948eb6382bf9d79611b85e52
Author: Mrunal <parabmrunal24@gmail.com>
Date: Wed Oct 20 23:52:34 2021 +0530

    Committing first time

ABCMR\UNAL MINGW64 ~/project_dir (master)
$ git revert 4d97cd00d29df78c45cce7cf052b90e4edaa6193
[master 41f4279] Revert "Revert "Removing p2""
1 file changed, 1 insertion(+), 1 deletion(-)

ABCMR\UNAL MINGW64 ~/project_dir (master)
$ git log
commit 41f42798850bbd6a9cf5fe8ab1922e844be37982 (HEAD -> master)
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 00:05:47 2021 +0530

    Revert "Revert "Removing p2""

    This reverts commit 4d97cd00d29df78c45cce7cf052b90e4edaa6193.

commit 4d97cd00d29df78c45cce7cf052b90e4edaa6193
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 00:01:43 2021 +0530

    Revert "Removing p2"

    This reverts commit 1d64a72ee0631bc64ce5a5008652210282d6a05c.

commit 1d64a72ee0631bc64ce5a5008652210282d6a05c
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 00:00:24 2021 +0530

    Removing p2

commit 4e8f37337ced07fe108caa3a82f9e30eee9e01fa
Author: Mrunal <parabmrunal24@gmail.com>
Date: Wed Oct 20 23:56:23 2021 +0530

    Committing HTML

commit b31e899c8e1c3fc8948eb6382bf9d79611b85e52
Author: Mrunal <parabmrunal24@gmail.com>
Date: Wed Oct 20 23:52:34 2021 +0530

    Committing first time

ABCMR\UNAL MINGW64 ~/project_dir (master)
$ |
```

Commands:-

\$ git --version	#to check git version
\$ mkdir project_dir	# to create a directory
\$ cd project_dir	# to change to directory
\$ git init	# to initialize directory
\$ git status	# to get the status
\$ git add index.html	# to stage
\$ git commit -m "Committing first time"	# to commit
\$ git status	
\$ touch .gitignore	# to ignore files
\$ echo "*.txt"> .gitignore	# to ignore .txt files
\$ git status	
\$ git add index.html	
\$ git commit -m "Committing HTML"	
\$ git log	# to display log details
\$ git revert 1d64a72ee0631bc64ce5a5008652210282d6a05c	# to revert the commit
\$ git log	
\$ git config alias.my-add add	# to rename
\$ git my-add index.html	
\$ git log	
\$ git revert 4d97cd00d29df78c45cce7cf052b90e4edaa6193	
\$ git log	

GIT Branching

SECTION-1 (HTML assignments):-

```
MINGW64/c/Users/ABC/Assignments
ABC@MINGW64 ~
$ mkdir Assignments
ABC@MINGW64 ~
$ cd Assignments
ABC@MINGW64 ~/Assignments
$ git init
Initialized empty Git repository in C:/Users/ABC/Assignments/.git/
ABC@MINGW64 ~/Assignments (master)
$ git add README.txt
ABC@MINGW64 ~/Assignments (master)
$ git commit -m "Committing README"
[master (root-commit) 7209f1a] Committing README
1 file changed, 3 insertions(+)
create mode 100644 README.txt
ABC@MINGW64 ~/Assignments (master)
$ git branch
* master
ABC@MINGW64 ~/Assignments (master)
$ git branch html-assignments
ABC@MINGW64 ~/Assignments (master)
$ git branch
* master
  html-assignments
ABC@MINGW64 ~/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'
ABC@MINGW64 ~/Assignments (html-assignments)
$ git branch
* html-assignments
  master
ABC@MINGW64 ~/Assignments (html-assignments)
$ git add demo.html
ABC@MINGW64 ~/Assignments (html-assignments)
$ git commit -m "Committing Demo"
[html-assignments 8f24723] Committing Demo
1 file changed, 9 insertions(+)
create mode 100644 demo.html
```

```
MINGW64/c/Users/ABC/Assignments
create mode 100644 demo.html
ABC@MINGW64 ~/Assignments (html-assignments)
$ git add demo.html
ABC@MINGW64 ~/Assignments (html-assignments)
$ git commit -m "Committing Paragraph in Demo"
[html-assignments 45bblf5] Committing Paragraph in Demo
1 file changed, 1 insertion(+), 1 deletion(-)
ABC@MINGW64 ~/Assignments (html-assignments)
$ git status
On branch html-assignments
nothing to commit, working tree clean
ABC@MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'
ABC@MINGW64 ~/Assignments (master)
$ git add README.txt
ABC@MINGW64 ~/Assignments (master)
$ git commit -m "Committing Thank you in README"
[master 806288e] Committing Thank you in README
1 file changed, 1 insertion(+)
ABC@MINGW64 ~/Assignments (master)
$ git checkout html-assignments
Switched to branch 'html-assignments'
ABC@MINGW64 ~/Assignments (html-assignments)
$ git branch
* html-assignments
  master
ABC@MINGW64 ~/Assignments (html-assignments)
$ git add demo.html
ABC@MINGW64 ~/Assignments (html-assignments)
$ git commit -m "Committing Welcome in demo"
[html-assignments 79abec3] Committing Welcome in demo
1 file changed, 1 insertion(+), 1 deletion(-)
ABC@MINGW64 ~/Assignments (html-assignments)
$ git checkout master
Switched to branch 'master'
ABC@MINGW64 ~/Assignments (master)
$ git branch
```

```
MINGW64/c/Users/ABC/Assignments
ABC@MRUNAL MINGW64 ~/Assignments (master)
$ git branch
* master
html-assignments

ABC@MRUNAL MINGW64 ~/Assignments (master)
$ git merge html-assignments
Merge made by the 'recursive' strategy.
 demo.html | 9 ++++++
 1 file changed, 9 insertions(+)
 create mode 100644 demo.html

ABC@MRUNAL MINGW64 ~/Assignments (master)
$ git log
commit c4a4b192a829bab4e7e9aa9c6379ea3c64ea7dd3 (HEAD -> master)
Merge: 806288e 79abec9
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 13:16:38 2021 +0530

    Merge branch 'html-assignments'

commit 79abec951f76811da179f9240807a5a52fd15a50 (html-assignments)
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 13:14:00 2021 +0530

    Committing Welcome in demo

commit 806288e0d85713f88efc2e3eef4a33524b6fc0a
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 13:10:45 2021 +0530

    Committing Thank you in README

commit 45bb1f59a878070d05395200701baeca7f9047bc
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 13:02:00 2021 +0530

    Committing Paragraph in Demo

commit 8f247235650e43d74493c06374b7d5d3879a0a34
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 13:00:36 2021 +0530

    Committing Demo

commit 7209f1a85ddd473e10dfa9f97257502d0b04d283
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 12:22:35 2021 +0530

    Committing README

Type here to search 34°C Smoke ENG 13:20 21-10-2021
```

```
MINGW64/c/Users/ABC/Assignments
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 13:16:38 2021 +0530

    Merge branch 'html-assignments'

commit 79abec951f76811da179f9240807a5a52fd15a50 (html-assignments)
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 13:14:00 2021 +0530

    Committing Welcome in demo

commit 806288e0d85713f88efc2e3eef4a33524b6fc0a
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 13:10:45 2021 +0530

    Committing Thank you in README

commit 45bb1f59a878070d05395200701baeca7f9047bc
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 13:02:00 2021 +0530

    Committing Paragraph in Demo

commit 8f247235650e43d74493c06374b7d5d3879a0a34
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 13:00:36 2021 +0530

    Committing Demo

commit 7209f1a85ddd473e10dfa9f97257502d0b04d283
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 12:22:35 2021 +0530

    Committing README

ABC@MRUNAL MINGW64 ~/Assignments (master)
$ git branch
* master
html-assignments

ABC@MRUNAL MINGW64 ~/Assignments (master)
$ git branch -d html-assignments
Deleted branch html-assignments (was 79abec9).

ABC@MRUNAL MINGW64 ~/Assignments (master)
$ git branch
* master

ABC@MRUNAL MINGW64 ~/Assignments (master)
$ |

Type here to search 34°C Smoke ENG 13:20 21-10-2021
```

Commands:-

```
$ mkdir Assignments
$ cd Assignments
$ git init
$ git add README.txt
$ git commit -m "Committing README"
$ git branch                                #to show branches
$ git branch html-assignments              #to create new branch
$ git branch
$ git checkout html-assignments            #to switch to a branch
$ git branch
$ git add demo.html
$ git commit -m "Committing Demo"
$ git add demo.html
$ git commit -m "Committing Paragraph in Demo"
$ git status
$ git checkout master
$ git add README.txt
$ git commit -m "Committing Thank you in README"
$ git checkout html-assignments
$ git branch
$ git add demo.html
$ git commit -m "Committing Welcome in demo"
$ git checkout master
$ git branch
$ git merge html-assignments               #to merge a branch
$ git log
$ git branch
$ git branch -d html-assignments           #to delete a branch
$ git branch
```

SECTION-2 (CSS assignments):-

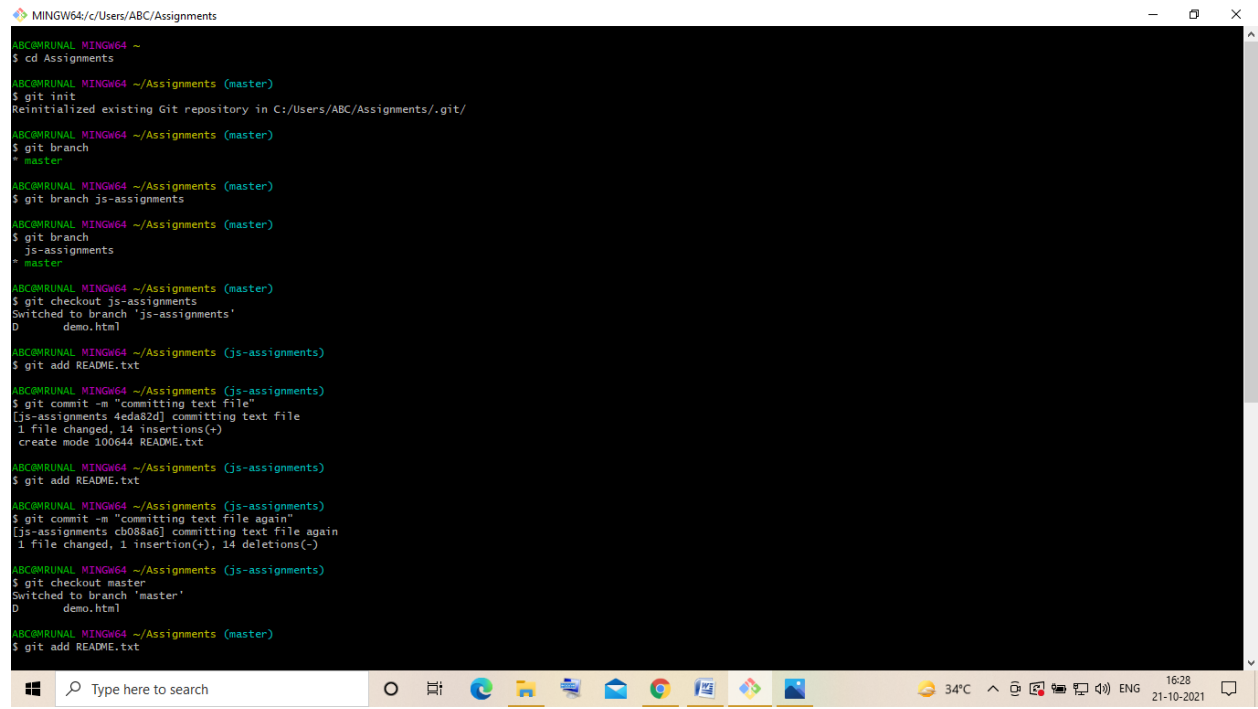
```
MINGW64/c/Users/ABC/Assignments
ABC@MINGW64 ~
$ cd Assignments
ABC@MINGW64 ~/Assignments (master)
$ git init
Reinitialized existing Git repository in C:/Users/ABC/Assignments/.git/
ABC@MINGW64 ~/Assignments (master)
$ git branch
* master
ABC@MINGW64 ~/Assignments (master)
$ git branch css-assignments
ABC@MINGW64 ~/Assignments (master)
$ git branch
css-assignments
* master
ABC@MINGW64 ~/Assignments (css-assignments)
$ git checkout css-assignments
Switched to branch 'css-assignments'
ABC@MINGW64 ~/Assignments (css-assignments)
$ git add README.txt
ABC@MINGW64 ~/Assignments (css-assignments)
$ git commit -m "Committing README"
[css-assignments 9bbd74c] Committing README
1 file changed, 3 insertions(+)
create mode 100644 README.txt
ABC@MINGW64 ~/Assignments (css-assignments)
$ git add README.txt
ABC@MINGW64 ~/Assignments (css-assignments)
$ git commit -m "Committing README again"
[css-assignments ae0ddc1] Committing README again
1 file changed, 1 insertion(+), 1 deletion(-)
ABC@MINGW64 ~/Assignments (css-assignments)
$ git checkout master
Switched to branch 'master'
ABC@MINGW64 ~/Assignments (master)
$ git add README.txt
ABC@MINGW64 ~/Assignments (master)
$ git commit -m "Committing README master"
```

```
MINGW64/c/Users/ABC/Assignments
$ git commit -m "Committing README master"
[master a718d04] Committing README master
1 file changed, 3 insertions(+)
create mode 100644 README.txt
ABC@MINGW64 ~/Assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'
ABC@MINGW64 ~/Assignments (css-assignments)
$ git add README.txt
ABC@MINGW64 ~/Assignments (css-assignments)
$ git commit -m "Committing README css"
[css-assignments 81daeea] Committing README css
1 file changed, 1 insertion(+), 1 deletion(-)
ABC@MINGW64 ~/Assignments (css-assignments)
$ git checkout master
Switched to branch 'master'
ABC@MINGW64 ~/Assignments (master)
$ git merge css-assignments
CONFLICT (add/add): Merge conflict in README.txt
Automatic merge failed; fix conflicts and then commit the result.
ABC@MINGW64 ~/Assignments (master|MERGING)
$ git rm README.txt
rm 'README.txt'
ABC@MINGW64 ~/Assignments (master|MERGING)
$ git commit -m "Removing README"
[master c755f76] Removing README
ABC@MINGW64 ~/Assignments (master)
$ git checkout css-assignments
Switched to branch 'css-assignments'
ABC@MINGW64 ~/Assignments (css-assignments)
$ git checkout master
Switched to branch 'master'
ABC@MINGW64 ~/Assignments (master)
$ git branch -d css-assignments
Deleted branch css-assignments (was 81daeea).
ABC@MINGW64 ~/Assignments (master)
$ git branch
* master
```


Commands:-

```
$ cd Assignments
$ git init
$ git branch                                     #to show branches
$ git branch css-assignments                     #to create new branch
$ git branch
$ git checkout css-assignments                 #to switch to a branch
$ git add README.txt
$ git commit -m "Committing README"
$ git add README.txt
$ git commit -m "Committing README again"
$ git checkout master
$ git add README.txt
$ git commit -m "Committing README master"
$ git checkout css-assignments
$ git add README.txt
$ git commit -m "Committing README css"
$ git checkout master
$ git branch
$ git merge css-assignments
$ git checkout master
$ git branch -d css-assignments                #to delete a branch
$ git branch
```

SECTION-3 (JavaScript assignments):-



```
MINGW64/c/Users/ABC/Assignments
ABC@MIRNAL MINGW64 ~
$ cd Assignments
ABC@MIRNAL MINGW64 ~/Assignments (master)
$ git init
Reinitialized existing Git repository in C:/Users/ABC/Assignments/.git/
ABC@MIRNAL MINGW64 ~/Assignments (master)
$ git branch
* master
ABC@MIRNAL MINGW64 ~/Assignments (master)
$ git branch js-assignments
ABC@MIRNAL MINGW64 ~/Assignments (master)
$ git branch
* master
  js-assignments
ABC@MIRNAL MINGW64 ~/Assignments (master)
$ git checkout js-assignments
Switched to branch 'js-assignments'
0
demo.html
ABC@MIRNAL MINGW64 ~/Assignments (js-assignments)
$ git add README.txt
ABC@MIRNAL MINGW64 ~/Assignments (js-assignments)
$ git commit -m "committing text file"
[js-assignments 4eda82d] committing text file
1 file changed, 14 insertions(+)
create mode 100644 README.txt
ABC@MIRNAL MINGW64 ~/Assignments (js-assignments)
$ git add README.txt
ABC@MIRNAL MINGW64 ~/Assignments (js-assignments)
$ git commit -m "committing text file again"
[js-assignments cb088a6] committing text file again
1 file changed, 1 insertion(+), 14 deletions(-)
ABC@MIRNAL MINGW64 ~/Assignments (js-assignments)
$ git checkout master
Switched to branch 'master'
D
demo.html
ABC@MIRNAL MINGW64 ~/Assignments (master)
$ git add README.txt
```

Commands:-

```
$ cd Assignments
$ git init
$ git branch
#to show branches
$ git branch js-assignments
#to create new branch
$ git branch
$ git checkout js-assignments
#to switch to a branch
$ git add README.txt
$ git commit -m "Committing README"
$ git add README.txt
$ git commit -m "Committing README again"
$ git checkout master
$ git add README.txt
$ git commit -m "Committing README master"
$ git checkout js-assignments
$ git add README.txt
$ git commit -m "Committing README css"
$ git checkout master
$ git branch
$ git merge js-assignments
$ git checkout master
$ git branch -d js-assignments
#to delete a branch
$ git branch
```

GIT Remoting

SECTION-3 (Pushing assignments to remote repository):-

```
MINGW64/c/Users/ABC/Assignments
$ cd Assignments

ABCOMRUNAL MINGW64 ~/Assignments (master)
$ git init
Reinitialized existing Git repository in C:/Users/ABC/Assignments/.git/

ABCOMRUNAL MINGW64 ~/Assignments (master)
$ git add Test.txt

ABCOMRUNAL MINGW64 ~/Assignments (master)
$ git commit -m "first commit"
On branch master
nothing to commit, working tree clean

ABCOMRUNAL MINGW64 ~/Assignments (master)
$ git log
commit 000777114464399c3631ad0f1a8d79e0d9cd44e6 (HEAD -> master)
Author: Mrunal <parabmrunal24@gmail.com>
Date: Thu Oct 21 17:20:34 2021 +0530

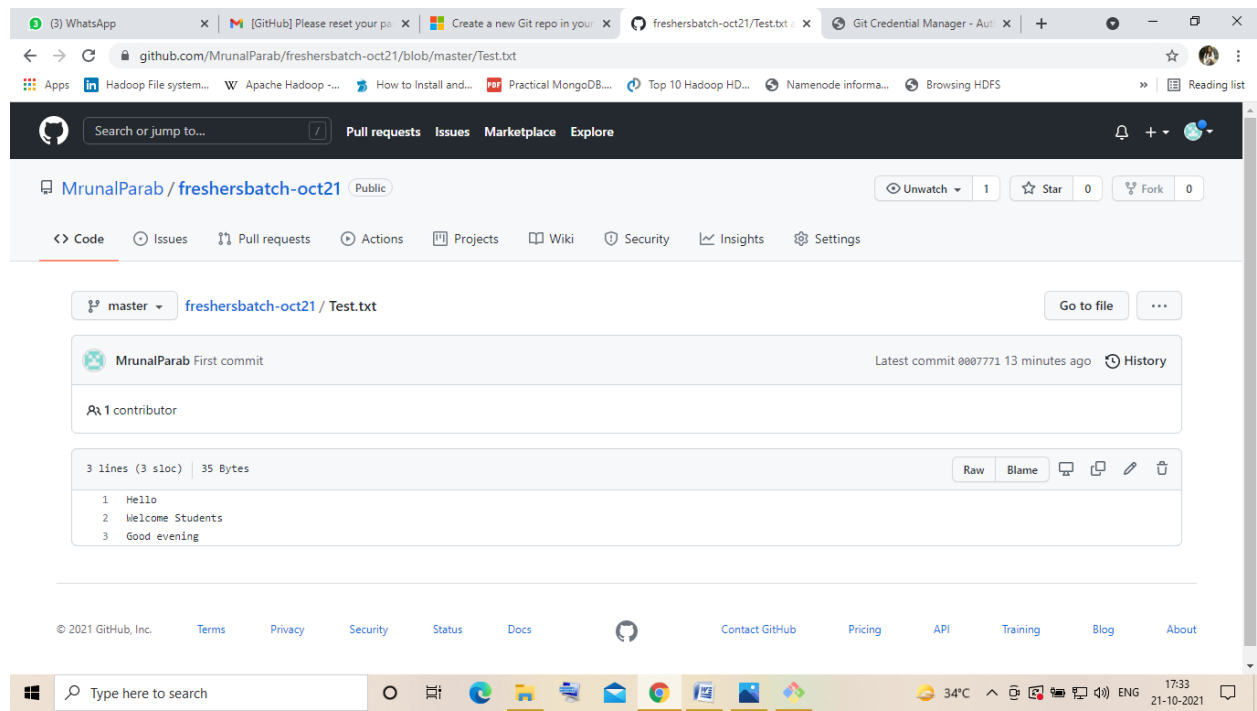
    First commit

ABCOMRUNAL MINGW64 ~/Assignments (master)
$ git remote add origin https://github.com/MrunalParab/freshersbatch-oct21.git
error: remote origin already exists.

ABCOMRUNAL MINGW64 ~/Assignments (master)
$ git remote -v
origin https://github.com/MrunalParab/freshersbatch-oct21.git (fetch)
origin https://github.com/MrunalParab/freshersbatch-oct21.git (push)

ABCOMRUNAL MINGW64 ~/Assignments (master)
$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 247 bytes | 82.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:   https://github.com/MrunalParab/freshersbatch-oct21/pull/new/master
remote:
To https://github.com/MrunalParab/freshersbatch-oct21.git
 * [new branch]      master -> master

ABCOMRUNAL MINGW64 ~/Assignments (master)
$ |
```



Commands:-

\$ cd Assignments

\$ git init

\$ git add Text.txt

\$ git commit -m "First Commit"

\$ git remote add origin <https://github.com/MrunalParab/freshersbatch-oct21.git>

#to connect local with remote repository

\$ git remote -v

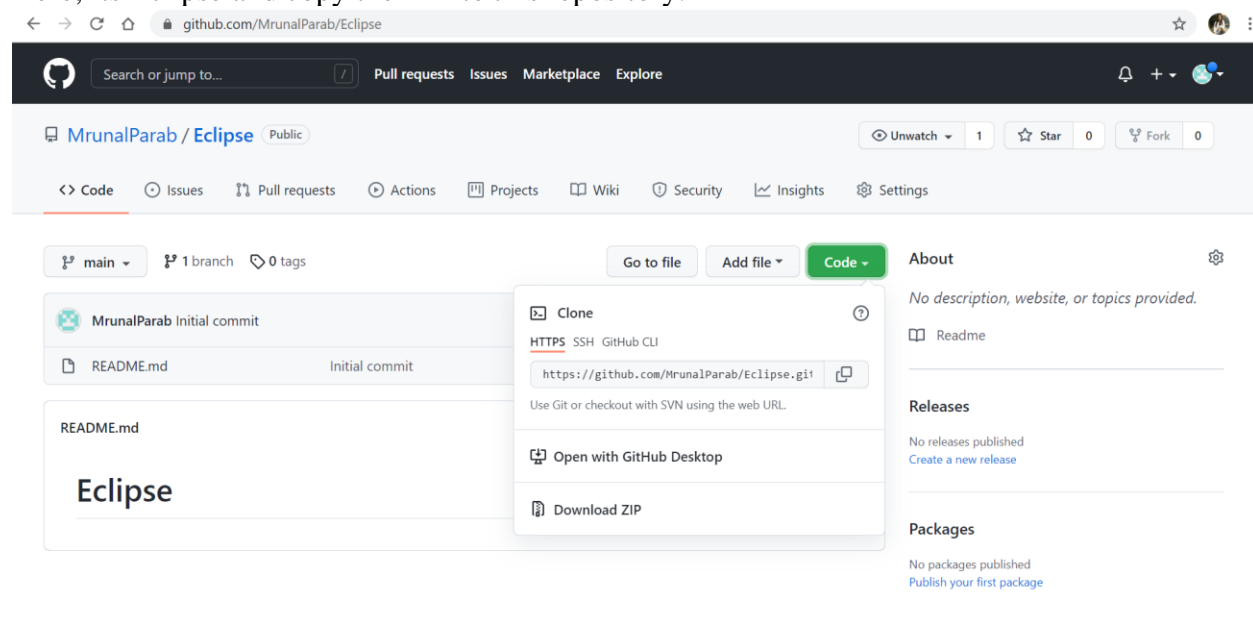
\$ git push origin master

#to push files from local to remote repo

SECTION-4 (Pushing source code to remote repository using Eclipse GIT plugin):-

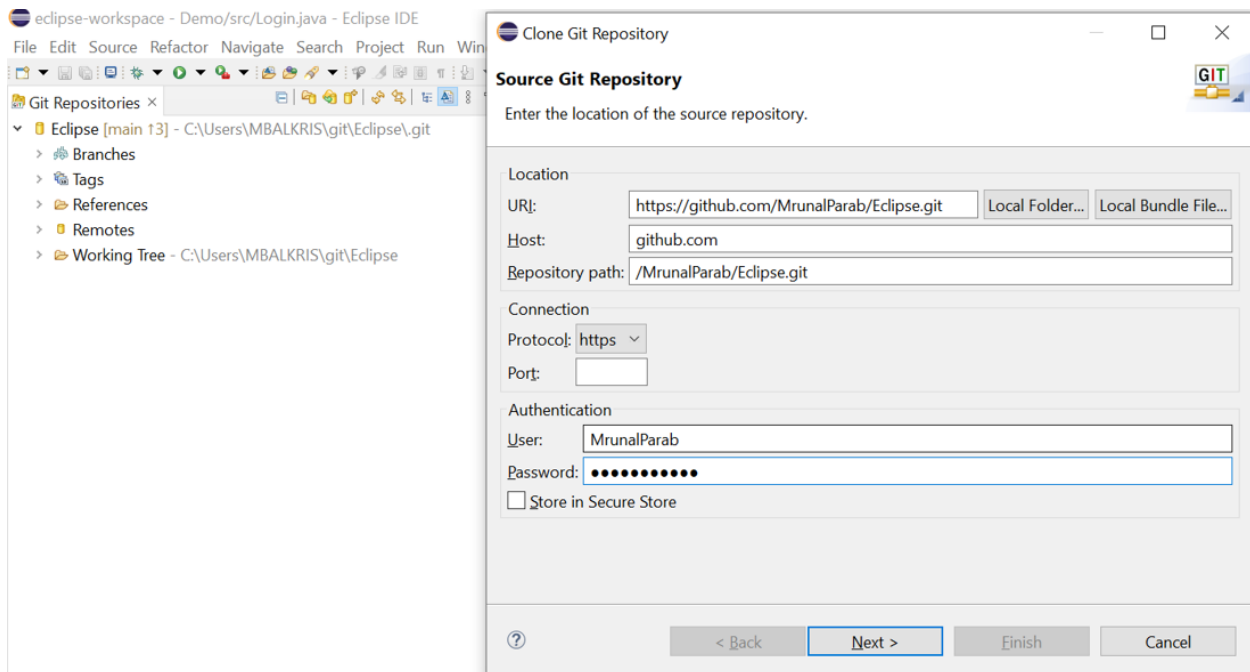
Create a repository in Github :-

Here, its Eclipse and copy the link to this repository.

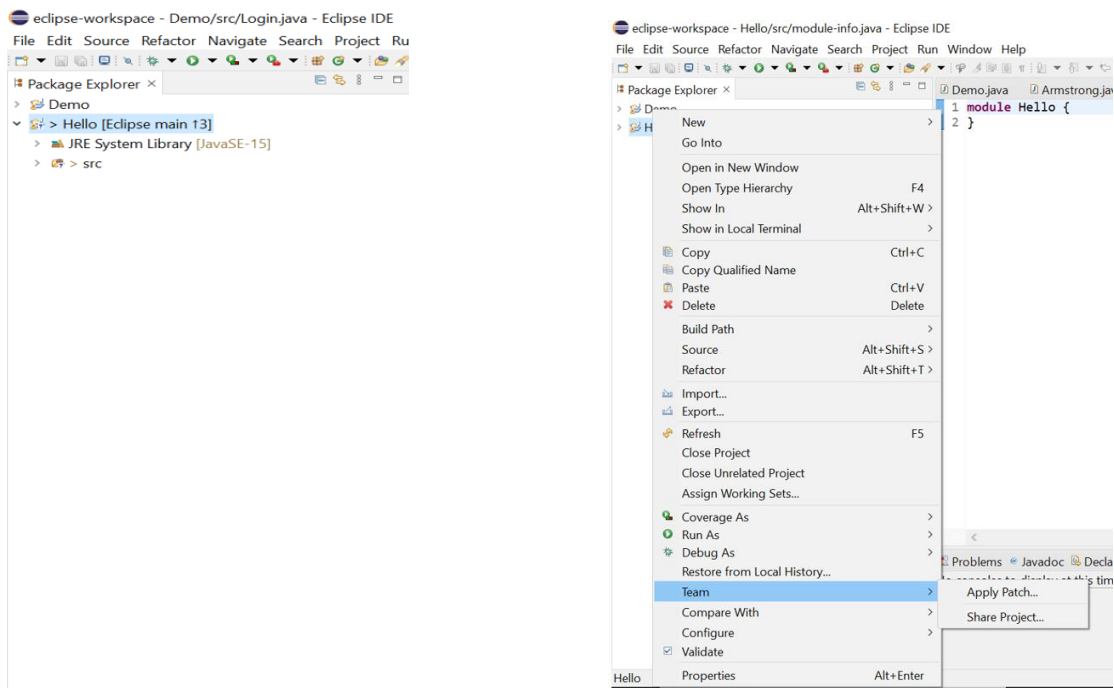


Open Eclipse :-

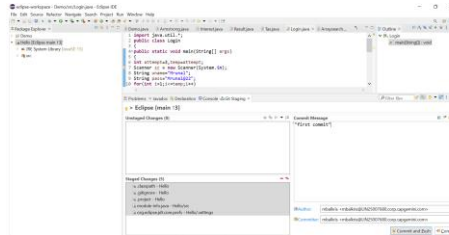
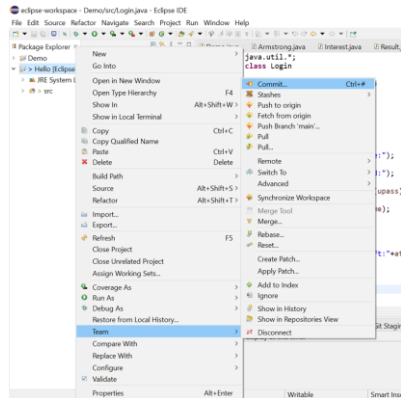
Go to Perspective ->Git Repositories and click on 'Add Git Repository'.



Create a Java project in Eclipse and share the project with the git repository :-



Commit the project:-



Project will be added on the git repository.