GURU NANAK DEV ENGINEERING COLLEGE

LUDHIANA

Department Of Information Technology

Assignment-2

Subject: Advance Web Technology

5th SEMESTER, 2018 Batch

July- Dec 2020

Submitted To :-   **Submitted By :-**

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                                                            Class :- D3,IT/B1

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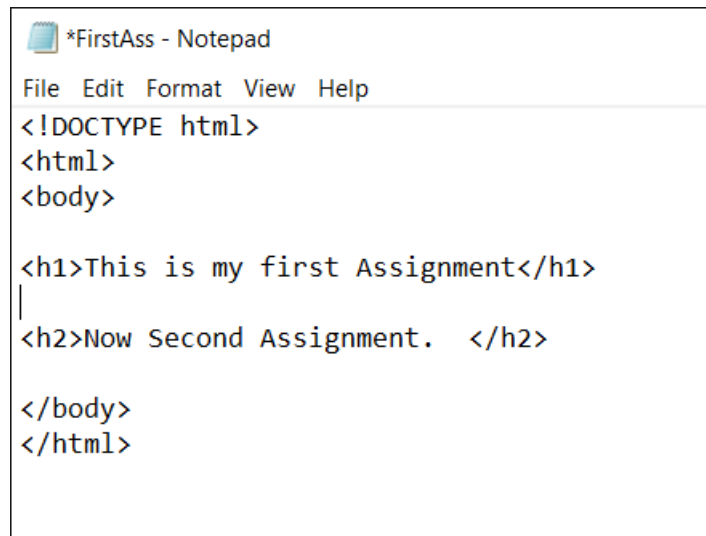   **C.R.N :- 1821063**

Assignment – 2

Basic Commands Of Git

1. Go to your Git repository which you created in the previous tutorial assignment.

```
kcc@DESKTOP-N8BCD2Q MINGW64 ~
$ cd project/

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ notepad FirstAss.html &
[1] 1213

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (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:   FirstAss.html

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

2.Do some modifications in your text file.

```
*FirstAss - Notepad
File  Edit  Format  View  Help
<!DOCTYPE html>
<html>
<body>

<h1>This is my first Assignment</h1>

<h2>Now Second Assignment.   </h2>

</body>
</html>
```

3.Commit the changes.

```
kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (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:   FirstAss.html

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

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git add .

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git commit -m "FirstAss.html added"
[master 944e811] FirstAss.html added
 1 file changed, 8 insertions(+)

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git log
commit 944e811e835d0f76155a90da599f1c39773eb541 (HEAD -> master)
Author: Ruchi <rsimhar746@gmail.com>
Date:   Tue Dec 1 17:41:26 2020 +0530

    FirstAss.html added

commit cbbddda6df8f86f1db2c049bb60e700af16efe9b
Author: Ruchi <rsimhar746@gmail.com>
Date:   Tue Dec 1 13:31:05 2020 +0530

    FirstAss Commit
```

4. Again do some modifications in your text file and discard the changes.

```
*FirstAss - Notepad
File  Edit  Format  View  Help
<!DOCTYPE html>
<html>
<body>

<h1>This is my first Assignment</h1>

<h2>Now Second Assignment.  </h2>
Modification in second Assignment
|
</body>
</html>
```

```
kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ notepad FirstAss.html &
[1] 1400

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (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:   FirstAss.html

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

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git checkout .
Updated 1 path from the index

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git status
On branch master
nothing to commit, working tree clean

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ notepad FirstAss.html &
[2] 1424
```

5. Reverting to an earlier version

```
MINGW64:/c/Users/kcc/project

[2]+   Done                    notepad FirstAss.html

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git log --oneline
2829db4 (HEAD -> master) Restore FirstAss.html
944e811 FirstAss.html added
cbbddda FirstAss Commit

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git checkout 9628366
error: pathspec '9628366' did not match any file(s) known to git

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git checkout 944e811
Note: switching to '944e811'.

You are in 'detached HEAD' state. You can look around, make experimental
changes and commit them, and you can discard any commits you make in this
state without impacting any branches by switching back to a branch.

If you want to create a new branch to retain commits you create, you may
do so (now or later) by using -c with the switch command. Example:

  git switch -c <new-branch-name>

Or undo this operation with:

  git switch -

Turn off this advice by setting config variable advice.detachedHead to false

HEAD is now at 944e811 FirstAss.html added

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project ((944e811...))
$ ls
FirstAss.html

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project ((944e811...))
$ git log
commit 944e811e835d0f76155a90da599f1c39773eb541 (HEAD)
Author: Ruchi <rsimhar746@gmail.com>
Date:   Tue Dec 1 17:41:26 2020 +0530

    FirstAss.html added

commit cbbddda6df8f86f1db2c049bb60e700af16efe9b
Author: Ruchi <rsimhar746@gmail.com>
Date:   Tue Dec 1 13:31:05 2020 +0530

    FirstAss Commit

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project ((944e811...))
$ git log --oneline
944e811 (HEAD) FirstAss.html added
cbbddda FirstAss Commit

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project ((944e811...))
$ hit reset --hard 944e81
```

```
kcc@DESKTOP-N8BCD2Q MINGW64 ~/project ((944e811...))
$ git log --oneline
944e811 (HEAD) FirstAss.html added
cbbddda FirstAss Commit

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project ((944e811...))
$ git checkout master
Previous HEAD position was 944e811 FirstAss.html added
Switched to branch 'master'
```

6. Remove and Restore the file

```
commit cbbddda6df8f86f1db2c049bb60e700af16efe9b
Author: Ruchi <rsimhar746@gmail.com>
Date:    Tue Dec 1 13:31:05 2020 +0530

    FirstAss Commit

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git rm --cached FirstAss.html
rm 'FirstAss.html'

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    FirstAss.html

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        FirstAss.html


kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ rm FirstAss.html

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    FirstAss.html
```

```
kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        deleted:    FirstAss.html


kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git  checkout cbbddda6 FirstAss.html
Updated 1 path from 510435d

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   FirstAss.html


kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ git commit -am "Restore FirstAss.html"
[master 2829db4] Restore FirstAss.html
 1 file changed, 8 deletions(-)

kcc@DESKTOP-N8BCD2Q MINGW64 ~/project (master)
$ ls
FirstAss.html
```