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Batch – CPPE_Java Full Stack

Assignment 1

Q. Initialize a new Git repository in a directory of your choice. Add a simple text file to the repository and make the first commit.

Answer:

GIT BASH Screenshot

```
MINGW64/f/Assignment-work
subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (master)
$ echo "This is my first file in the Git repository." > example.txt

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (master)
$ git status
On branch master
Your branch is up to date with 'Subharanjan-Sahoo/master'.

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

nothing added to commit but untracked files present (use "git add" to track)

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (master)
$ git add .
warning: in the working copy of 'example.txt', LF will be replaced by CRLF the n
ext time Git touches it

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (master)
$ git status
On branch master
Your branch is up to date with 'Subharanjan-Sahoo/master'.

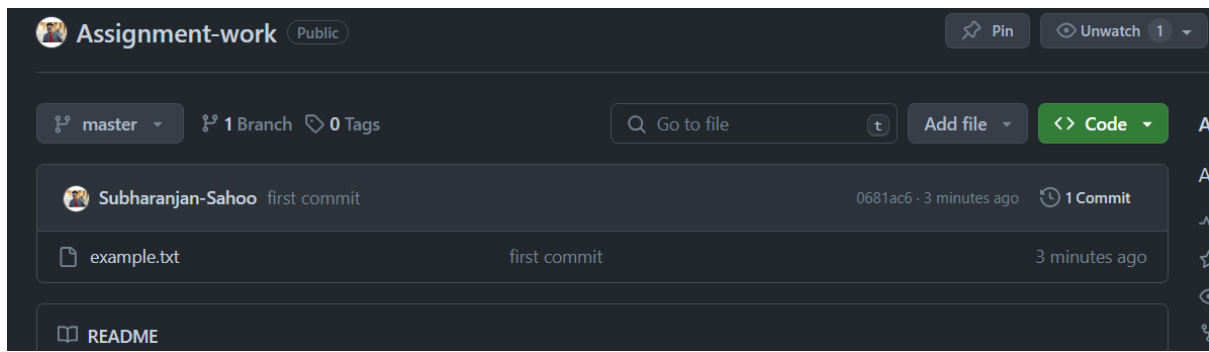
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   example.txt

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (master)
$ git commit -m "First Commit"
[master ccd0d9e] First Commit
1 file changed, 1 insertion(+)
create mode 100644 example.txt
```

```
subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (master)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (3/3), 297 bytes | 297.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Subharanjan-Sahoo/Assignment-work.git
5e0072c..ccd0d9e  master -> master

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (master)
$ |
```

GITHUB Screenshot



Assignment 2

Q. Create a new branch named 'feature' and switch to it. Make changes in the 'feature' branch and commit them.

Answer:

GIT BASH Screenshot

```
subha@SubhaRanjanSahoo MINGW64 /f/Assignment-work (master)
$ git branch feature

subha@SubhaRanjanSahoo MINGW64 /f/Assignment-work (master)
$ git checkout feature
Switched to branch 'feature'

subha@SubhaRanjanSahoo MINGW64 /f/Assignment-work (feature)
$ echo "This is a feature file." > feature.txt

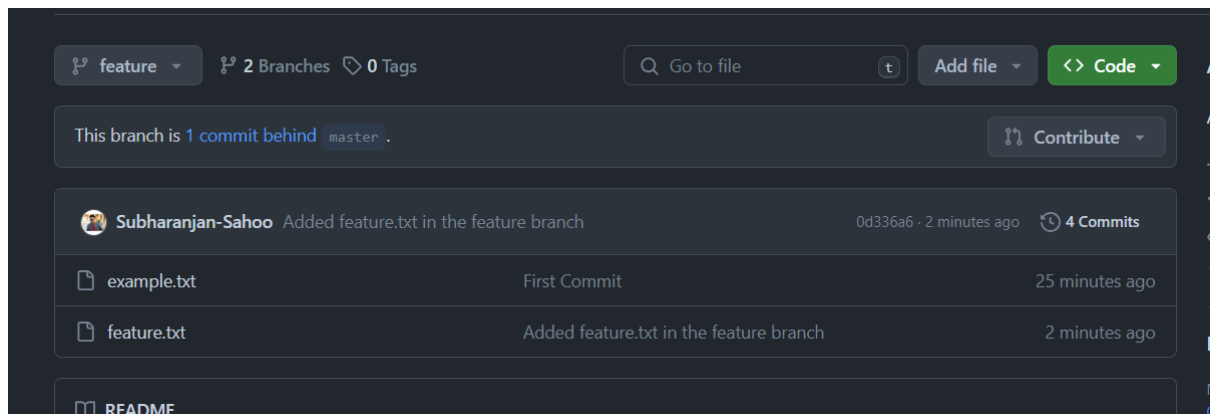
subha@SubhaRanjanSahoo MINGW64 /f/Assignment-work (feature)
$ git add .
warning: in the working copy of 'feature.txt', LF will be replaced by CRLF the

subha@SubhaRanjanSahoo MINGW64 /f/Assignment-work (feature)
$ git commit -m "Added feature.txt in the feature branch"
[feature 0d336a6] Added feature.txt in the feature branch
1 file changed, 1 insertion(+)
create mode 100644 feature.txt

subha@SubhaRanjanSahoo MINGW64 /f/Assignment-work (feature)
$ git push --set-upstream Subharanjan-Sahoo feature
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 325 bytes | 325.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'feature' on GitHub by visiting:
remote:   https://github.com/Subharanjan-Sahoo/Assignment-work/pull/new/
remote:
To https://github.com/Subharanjan-Sahoo/Assignment-work.git
 * [new branch]      feature -> feature
branch 'feature' set up to track 'Subharanjan-Sahoo/feature'.

subha@SubhaRanjanSahoo MINGW64 /f/Assignment-work (feature)
$
```

GITHUB Screenshot



Assignment 3

Q.Create a 'hotfix' branch to fix an issue in the main code. Merge the 'hotfix' branch into 'main' ensuring that the issue is resolved.

Answer:

GIT BASH Screenshot

```
subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (feature)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'Subharanjan-Sahoo/master'.

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (master)
$ git branch hotfix

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (master)
$ git checkout hotfix
Switched to branch 'hotfix'

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (hotfix)
$ echo "This is a hotfix." >> example.txt

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (hotfix)
$ git add .
warning: in the working copy of 'example.txt', LF will be replaced by CR

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (hotfix)
$ git commit -m "Applied hotfix to example.txt"
[hotfix 52f2f38] Applied hotfix to example.txt
1 file changed, 1 insertion(+)

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (hotfix)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'Subharanjan-Sahoo/master'.

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (master)
$ git merge hotfix
Updating ccd0d9e..52f2f38
Fast-forward
 example.txt | 1 +
1 file changed, 1 insertion(+)

subha@SubhaRanjansahoo MINGW64 /f/Assignment-work (master)
$
```

GITHUB Screenshot

