ASSIGNMENTS

User id : 56223

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Batch : 25SUB4507_WiproNGA_NMS DEV

TOPIC : **GITHUB**

Assignment 1: Initialize a new Git repository in a directory of your choice. Add a simple

Text file to the repository and make the first commit.

```
prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$ git init
Initialized empty Git repository in C:/Users/prane/OneDrive/Documents/mygitass/.
git/

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$ git config --global user.name nadipilohith

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$ git config --global user.email nadipilohith2@gmail.com

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$ git config --global core.editor code

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$ git clone https://github.com/Lohith-glith/mygitass.git
Cloning into 'mygitass'...
warning: You appear to have cloned an empty repository.

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$ echo hii > f1.txt

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        f1.txt
        mygitass/

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

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$ git add f1.txt
warning: in the working copy of 'f1.txt', LF will be replaced by CRLF the next t
ime Git touches it

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$ git commit -m "F1.txt created"
[master (root-commit) fddee2c] F1.txt created
 1 file changed, 1 insertion(+)
 create mode 100644 f1.txt

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$
```

Assignment 2: Branch Creation and Switching

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

branch and commit them.

```
prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$ git checkout -b feature
Switched to a new branch 'feature'

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (feature)
$ echo "Feature branch changes by Lohith" >> f1.txt

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (feature)
$ git add f1.txt
warning: in the working copy of 'f1.txt', LF will be replaced by CRLF the next time Git touches it

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (feature)
$ git commit -m "Updated file in feature branch by Lohith"
[feature cda1819] Updated file in feature branch by Lohith
 1 file changed, 1 insertion(+)

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (feature)
$ |
```

Assignment 3: Feature Branches and Hotfixes

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

```
prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (feature)
$ git checkout master
Switched to branch 'master'

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$ git checkout -b hotfix
Switched to a new branch 'hotfix'

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (hotfix)
$ echo "Hotfix applied by Lohith" >> f1.txt

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (hotfix)
$ git add f1.txt
warning: in the working copy of 'f1.txt', LF will be replaced by CRLF the next time Git touches it

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (hotfix)
$ git commit "Applied hotfix to fix issue in main branch by Lohith"
error: pathspec 'Applied hotfix to fix issue in main branch by Lohith' did not match any file(s) known to git

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (hotfix)
$ git commit -m "Applied hotfix to fix issue in main branch by Lohith"
[hotfix 52f96c8] Applied hotfix to fix issue in main branch by Lohith
 1 file changed, 1 insertion(+)

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (hotfix)
$ git checkout master
Switched to branch 'master'

prane@LAPTOP-0V78EC07 MINGW64 ~/OneDrive/Documents/mygitass (master)
$ git merge hotfix
Updating fddee2c..52f96c8
Fast-forward
 f1.txt | 1 +
 1 file changed, 1 insertion(+)
```