

Assignment of GIT

Date: June 10, 2019

* add (one, multiple, all)

```
→ Integrify Assignment Git git:(master) X git add assignement\ git.py
→ Integrify Assignment Git git:(master) X git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   assignement git.py
```

* commit

```
→ Integrify Assignment Git git:(master) X git commit -m "Calculate sum"
[master 34d585e] Calculate sum
 2 files changed, 14 insertions(+), 6 deletions(-)
```

```
→ Integrify Assignment Git git:(new-branch-2) X git commit
On branch new-branch-2
Changes not staged for commit:
  modified:   .idea/workspace.xml

no changes added to commit
→ Integrify Assignment Git git:(new-branch-2) X git commit -a
Aborting commit due to empty commit message.
→ Integrify Assignment Git git:(new-branch-2) X git commit --amend
error: did you mean '--amend' (with two dashes ?)
→ Integrify Assignment Git git:(new-branch-2) X git commit --amend
[new-branch-2 eaa1539] Calculate sum
Date: Mon Jun 10 11:49:24 2019 +0300
 2 files changed, 14 insertions(+), 6 deletions(-)
```

* checkout

```
→ Integrify Assignment Git git:(master) X git checkout new-branch-1
M       Integrify Assignment Git/.idea/workspace.xml
Switched to branch 'new-branch-1'
→ Integrify Assignment Git git:(new-branch-1) X git checkout -b new-branch-2
M       Integrify Assignment Git/.idea/workspace.xml
Switched to a new branch 'new-branch-2'
→ Integrify Assignment Git git:(new-branch-2) X git push origin new-branch-2
Username for 'https://github.com': anik511580
Password for 'https://anik511580@github.com':
Total 0 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'new-branch-2' on GitHub by visiting:
remote:   https://github.com/anik511580/integrigyGIT/pull/new/new-branch-2
remote:
To https://github.com/anik511580/integrigyGIT.git
 * [new branch]      new-branch-2 -> new-branch-2
```

* branch -av

```
master          34d585e Calculate sum
new-branch-1    34d585e Calculate sum
* new-branch-2  34d585e Calculate sum
remotes/origin/master 34d585e Calculate sum
remotes/origin/new-branch-1 34d585e Calculate sum
remotes/origin/new-branch-2 34d585e Calculate sum
(END)
```

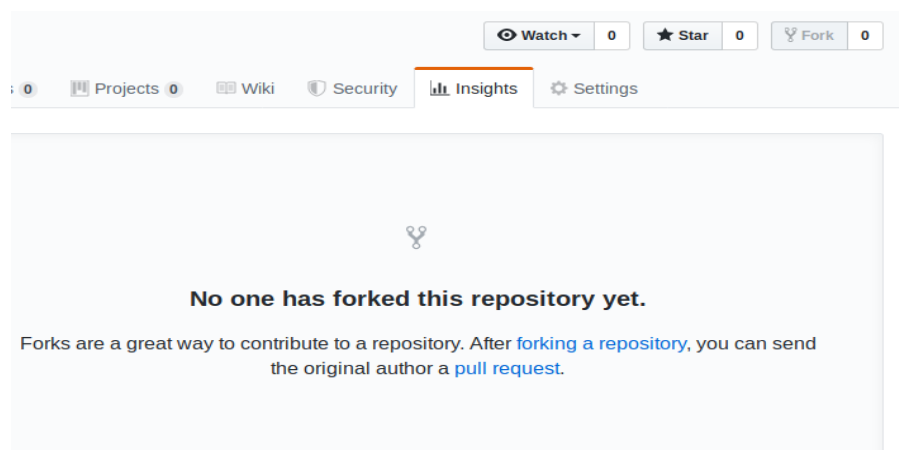
* clone

```
→ Git git:(new_branch) X git clone https://github.com/anik511580/Cyber_Physical_System
Cloning into 'Cyber_Physical_System'...
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 4 (delta 0), reused 4 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), done.
```

* fetch

```
→ Git git:(new_branch) X git fetch https://github.com/anik511580/Cyber_Physical_System
warning: no common commits
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (4/4), done.
remote: Total 4 (delta 0), reused 4 (delta 0), pack-reused 0
Unpacking objects: 100% (4/4), done.
From https://github.com/anik511580/Cyber_Physical_System
* branch          HEAD       -> FETCH_HEAD
```

* Fork



* HEAD

```
→ Git git:(new_branch) X cat .git/HEAD
ref: refs/heads/new_branch
```

* merge

```
→ Git git:(new_branch) X git checkout master
M      Integrify Assignment Git/.idea/workspace.xml
Switched to branch 'master'
→ Git git:(master) X git merge new_branch
Updating 34d585e..1ddbc61
Fast-forward
```

* push (to remote)

```
→ Integrify Assignment Git git:(master) git push origin master
Username for 'https://github.com': anik511580
Password for 'https://anik511580@github.com':
Counting objects: 6, done.
Compressing objects: 100% (6/6), done.
Writing objects: 100% (6/6), 712 bytes | 356.00 KiB/s, done.
Total 6 (delta 2), reused 0 (delta 0)
remote: Resolving deltas: 100% (2/2), completed with 2 local objects.
To https://github.com/anik511580/integrigyGIT.git
    1e2880e..34d585e  master -> master
```

* pull (updating local repository)

```
→ Git git:(new_branch) X git pull origin master
From https://github.com/anik511580/integrigyGIT
 * branch            master       -> FETCH_HEAD
Merge made by the 'recursive' strategy.
```

* add remote

```
→ Git git:(new_branch) X git remote add origin https://github.com/anik511580/testRepo.git
fatal: remote origin already exists.
→ Git git:(new_branch) X git remote -v
origin  https://github.com/anik511580/integrigyGIT.git (fetch)
origin  https://github.com/anik511580/integrigyGIT.git (push)
→ Git git:(new_branch) X git remote show origin
* remote origin
Fetch URL: https://github.com/anik511580/integrigyGIT.git
Push URL: https://github.com/anik511580/integrigyGIT.git
HEAD branch: master
Remote branches:
  master      tracked
  new-branch-1 tracked
  new-branch-2 tracked
Local refs configured for 'git push':
  master      pushes to master      (up to date)
  new-branch-1 pushes to new-branch-1 (up to date)
  new-branch-2 pushes to new-branch-2 (local out of date)
```

* stash (stash changes)

```
→ Git git:(new-branch-2) X git stash
Saved working directory and index state WIP on new-branch-2: eaa1539 Calculate sum
→ Git git:(new-branch-2) git stash list
→ Git git:(new-branch-2) git stash branch new_branch
Switched to a new branch 'new_branch'
On branch new_branch
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git checkout -- <file>..." to discard changes in working directory)

        modified:   Integrify Assignment Git/.idea/workspace.xml

no changes added to commit (use "git add" and/or "git commit -a")
Dropped refs/stash@{0} (a44be7fe5d180aa70d73dc16be1fd3cc70a7879)
```

* Tag

```
→ Git git:(new-branch-1) X git tag 2.0
→ Git git:(new-branch-1) X git tag
```

* Setting

```
→ Git git:(new-branch-1) X git config --global user.email "anibar@utu.fi"
→ Git git:(new-branch-1) X git config --global user.email
anibar@utu.fi
→ Git git:(new-branch-1) X git config --global user.name
Anik
```

* Log

```
commit 34d585e2356732096d668c533ae0e018f5dc7b53 (HEAD -> master, origin/master)
Author: anik <anik.barua@integrify.io>
Date:   Mon Jun 10 11:49:24 2019 +0300

    Calculate sum

commit 1e2880efee568222e51778ffc446ca86175ab986
Author: anik <anik.barua@integrify.io>
Date:   Mon Jun 10 11:30:06 2019 +0300

    print hi

commit 33a5062699e8cfa9aa0b084e3c8bef29100bf2d1
Author: anik <anik.barua@integrify.io>
Date:   Mon Jun 10 11:19:58 2019 +0300

    first upload

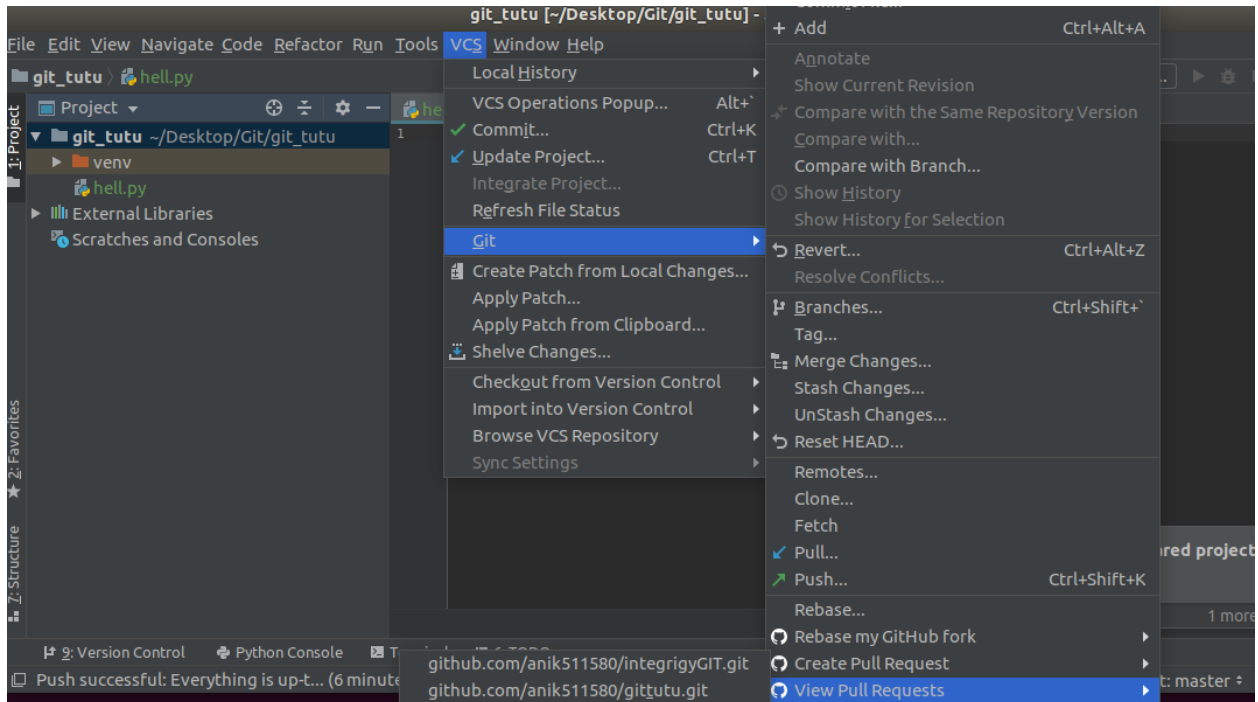
commit 0e1ae7b875bbe73312ac52a20c6a8b7fc307a6da
Author: anik511580 <engr.anikbarua@gmail.com>
Date:   Mon Jun 10 11:09:58 2019 +0300
```

* status

```
→ Integrify Assignment Git git:(master) X git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

        modified:   .idea/workspace.xml
        modified:   assignement git.py
```

PyCharm



GIT Push from PyCharm

