

COGNIZANCE

TASK 1 [GIT & GITHUB]

1. Creating a repository

2. git clone

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 ~  
$ cd c:/users/'SHREERAM P R'  
  
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R  
$ mkdir cognizance  
  
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R  
$ cd cognizance  
  
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance  
$ git init  
Initialized empty Git repository in C:/Users/SHREERAM P R/cognizance/.git/  
  
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)  
$ cd  
  
SHREERAM P R@SHREERAMs-Laptop MINGW64 ~  
$ cd c:/users/'SHREERAM P R'/cognizance  
  
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)  
$ git clone https://github.com/Hades1411/cognizance.git  
Cloning into 'cognizance'...  
warning: You appear to have cloned an empty repository.
```

3. git add

4. git status

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git status
On branch master

No commits yet

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

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

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ touch cat.py

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git add cat.py

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   cat.py

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

5. git commit

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git config --global user.email "your email id that you gave for reg"

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git commit -m "Sup"
[master (root-commit) 10ec623] Sup
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 cat.py

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git config --global user.name "your github user name"

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git remote add origin https://github.com/Hades1411/cognizance.git
```

6. git push

7. git config --list --show-origin

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 ~
$ cd c:/users/'SHREERAM P R'/cognizance

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 215 bytes | 215.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/Hades1411/cognizance.git
 * [new branch]      master -> master

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git config --list --show-origin
file:C:/Program Files/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:C:/Program Files/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Program Files/Git/etc/gitconfig filter.lfs.required=true
file:C:/Program Files/Git/etc/gitconfig http.sslbackend=openssl
file:C:/Program Files/Git/etc/gitconfig http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
file:C:/Program Files/Git/etc/gitconfig core.autocrlf=true
file:C:/Program Files/Git/etc/gitconfig core.fscache=true
file:C:/Program Files/Git/etc/gitconfig core.symlinks=false
file:C:/Program Files/Git/etc/gitconfig pull.rebase=false
file:C:/Program Files/Git/etc/gitconfig credential.helper=manager-core
file:C:/Program Files/Git/etc/gitconfig credential.https://dev.azure.com.usehttppath=true
file:C:/Program Files/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/SHREERAM P R/.gitconfig user.email=your email id that you gave for reg
file:C:/Users/SHREERAM P R/.gitconfig user.name=your github user name
file:./git/config core.repositoryformatversion=0
file:./git/config core.filemode=false
file:./git/config core.bare=false
file:./git/config core.logallrefupdates=true
file:./git/config core.symlinks=false
file:./git/config core.ignorecase=true
file:./git/config remote.origin.url=https://github.com/Hades1411/cognizance.git
file:./git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git checkout
```

8. git checkout

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git branch folder1

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git checkout folder1
Switched to branch 'folder1'

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder1)
$ git checkout -b folder3
Switched to a new branch 'folder3'

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder3)
$ git checkout master
Switched to branch 'master'

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ touch test.txt

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git add test.txt

SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git commit -a
Aborting commit due to empty commit message.
```

9. git fetch

10. git merge

11. git pull

12. git reset --soft

13. git branch

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git fetch
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git merge folder1
Already up to date.
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git checkout folder1
Switched to branch 'folder1'
A       test.txt
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder1)
$ git merge master
Already up to date.
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder1)
$ git pull origin master
From https://github.com/Hades1411/cognizance
* branch          master      -> FETCH_HEAD
Already up to date.
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder1)
$ git reset --soft
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder1)
$ git branch
* folder1
  folder3
  master
```

14. git rebase

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder1)
$ git rebase folder3
Current branch folder1 is up to date.
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder1)
$ git checkout folder3
Switched to branch 'folder3'
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder3)
$ ls
cat.py  cognizance/
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder3)
$ touch hello.py
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder3)
$ git add hello.py
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder3)
$ git commit -m "Heyy"
[folder3 6a10d8f] Heyy
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 hello.py
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (folder3)
$ git checkout master
Switched to branch 'master'
```

```
SHREERAM P R@SHREERAMs-Laptop MINGW64 /c/users/SHREERAM P R/cognizance (master)
$ git rebase folder3
Successfully rebased and updated refs/heads/master.
```