

SPM Assignment3

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MCA FY Div:B

1. Write git command for:

a. git add [for staging]

Syntax : `git add .` (Add one or more files to the staging area)

```
Shubham@DESKTOP-3CNGTJ6 MINGW64 ~/Desktop/SEM II/SPM/Assignments (master)
$ git init
Reinitialized existing Git repository in C:/Users/Shubham/Desktop/SEM II/SPM/Assignments/.git/

Shubham@DESKTOP-3CNGTJ6 MINGW64 ~/Desktop/SEM II/SPM/Assignments (master)
$ git status
On branch master

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        Assignment 1.docx
        Assignment 2.docx
        Assignment 3-Practical Orientation.docx
        SPM_Assignment1.pdf
        Tutorial.docx
        new.txt.txt

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

Shubham@DESKTOP-3CNGTJ6 MINGW64 ~/Desktop/SEM II/SPM/Assignments (master)
$ git add .

Shubham@DESKTOP-3CNGTJ6 MINGW64 ~/Desktop/SEM II/SPM/Assignments (master)
$ git status
On branch master

No commits yet

changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   Assignment 1.docx
        new file:   Assignment 2.docx
        new file:   Assignment 3-Practical Orientation.docx
        new file:   SPM_Assignment1.pdf
        new file:   Tutorial.docx
        new file:   new.txt.txt
```

b. git commit [for committing to local repo]

Syntax : `git commit -m "Commit msg"` (Commit changes to the head but not to the remote repository.)

```
Shubham@DESKTOP-3CNGTJ6 MINGW64 ~/Desktop/SEM II/SPM/Assignments (master)
$ git commit -m "First commit"
[master (root-commit) 124d4aa] First commit
6 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Assignment 1.docx
create mode 100644 Assignment 2.docx
create mode 100644 Assignment 3-Practical Orientation.docx
create mode 100644 SPM_Assignment1.pdf
create mode 100644 Tutorial.docx
create mode 100644 new.txt.txt
```

- c. git status [for displaying current git repo status]

Syntax : `git status` (Check the status of your current repository and list the files you have changed.)

```
shubham@DESKTOP-3CNGTJ6 MINGW64 ~/Desktop/SEM II/SPM/Assignments (master)
$ git status
On branch master
nothing to commit, working tree clean
```

- d. git log [to see all the commit history]

Syntax : `git log` (Provides a list of all commits made on a branch.)

```
shubham@DESKTOP-3CNGTJ6 MINGW64 ~/Desktop/SEM II/SPM/Assignments (master)
$ git log
commit 124d4aa0022ba4e441de971b5678117e928921a7 (HEAD -> master)
Author: shubhammali929 <shubhammali929@gmail.com>
Date: Mon Jun 5 18:27:50 2023 +0530

    First Commit
```

- e. git push [to push code to remote repo (gitlab or github)]

Syntax : `git push origin <branch name>` (Push the branch to the remote repository so that others can use it.)

```
shubham@DESKTOP-3CNGTJ6 MINGW64 ~/Desktop/SEM II/SPM/Assignments (master)
$ git push origin master
fatal: credential-cache unavailable; no unix socket support
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (7/7), done.
error: RPC failed; HTTP 408 curl 92 Stream error in the HTTP/2 framing layer
send-pack: unexpected disconnect while reading sideband packet
Writing objects: 100% (8/8), 1.98 MiB | 10.00 KiB/s, done.
Total 8 (delta 1), reused 0 (delta 0), pack-reused 0
fatal: the remote end hung up unexpectedly
Everything up-to-date

shubham@DESKTOP-3CNGTJ6 MINGW64 ~/Desktop/SEM II/SPM/Assignments (master)
$ git status
On branch master
nothing to commit, working tree clean
```