Steps To create a repository in GitHub and locally and then push a new file/document from local to remote repository:

1. Create a Repository in GitHub e.g test-repo01

1.1 Open GitHub and graphically you can select 'create a new repository'

2. Open Git locally and create the same repo locally e.g. test-repo01

2.1 Open Git, Installed locally

2.2 Go to a particular folder

2.3 Create the folder e.g. test-repo01

3. Initialize the local Git repository by,

**git init**

3. Link the local repository (git) with the remote repository (Present in GitHub) by,

**git remote add origin https://github.com/yourgithubusername/test-repo01.git**

e.g. git remote add origin https://github.com/Joydeep75/datasciencecoursera.git

4. Add a file to the local repository e.g. Helloworld.md

5. Add that file under version control by,

**git add .**

OR

**git add -u**

OR

**git add -A**

6. Committing: Commit the change locally [This only updates in local Git not remote Github]

**git commit -m "Your message"**

7. Update the saved local commit to the remote (Github) by pushing by,

git push OR

**git push -f origin master 🡪 This is forced push from local to remote.**

**Example:**

Joydeep@JOYAPS /f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Dat

a\_Scientist\_Toolbox

$ cd datasciencecoursera/

Joydeep@JOYAPS /f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Dat

a\_Scientist\_Toolbox/datasciencecoursera

$ pwd

/f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Data\_Scientist\_Too

lbox/datasciencecoursera

Joydeep@JOYAPS /f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Dat

a\_Scientist\_Toolbox/datasciencecoursera

$ git commit

fatal: Not a git repository (or any of the parent directories): .git

Joydeep@JOYAPS /f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Dat

a\_Scientist\_Toolbox/datasciencecoursera

$ pwd

/f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Data\_Scientist\_Too

lbox/datasciencecoursera

Joydeep@JOYAPS /f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Dat

a\_Scientist\_Toolbox/datasciencecoursera

$

Joydeep@JOYAPS /f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Dat

a\_Scientist\_Toolbox/datasciencecoursera

$ **git init**

Initialized empty Git repository in f:/Joydeep/Education/Coursera/Data-Science-S

pecialization/The\_Data\_Scientist\_Toolbox/datasciencecoursera/.git/

Joydeep@JOYAPS /f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Dat

a\_Scientist\_Toolbox/datasciencecoursera (master)

$ **git remote add origin https://github.com/Joydeep75/datasciencecoursera**

Joydeep@JOYAPS /f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Dat

a\_Scientist\_Toolbox/datasciencecoursera (master)

$ git remote add origin https://github.com/Joydeep75/datasciencecoursera.git

fatal: remote origin already exists.

Joydeep@JOYAPS /f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Dat

a\_Scientist\_Toolbox/datasciencecoursera (master)

$ **git add -A**

Joydeep@JOYAPS /f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Dat

a\_Scientist\_Toolbox/datasciencecoursera (master)

$ **git commit -m "Assignment Submission"**

[master (root-commit) 844dc8b] Assignment Submission

1 file changed, 1 insertion(+)

create mode 100644 HelloWorld.md

Joydeep@JOYAPS /f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Dat

a\_Scientist\_Toolbox/datasciencecoursera (master)

$ **git push -f origin master**

Username for 'https://github.com': Joydeep75

Password for 'https://Joydeep75@github.com':

Counting objects: 3, done.

Writing objects: 100% (3/3), 253 bytes | 0 bytes/s, done.

Total 3 (delta 0), reused 0 (delta 0)

To https://github.com/Joydeep75/datasciencecoursera

+ 025af82...844dc8b master -> master (forced update)

Joydeep@JOYAPS /f/Joydeep/Education/Coursera/Data-Science-Specialization/The\_Dat

a\_Scientist\_Toolbox/datasciencecoursera (master)

$