Steps:

1] **Create a new repository**

Click the + symbol besides your Git username.

Give your repository a name. Eg: Git\_Basics

Provide a short description about the project.

Select the Public option.

Check for the initialize this repository with a Readme.

2] **Create a local repository on your machine**

a) Create a directory

RUHI-PC@RUHI /f/fall14/extra

$ mkdir Git\_Basics

RUHI-PC@RUHI /f/fall14/extra

$ cd Git\_Basics/

b) Local repository is ready

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics

$ git init

Initialized empty Git repository in f:/fall14/extra/Git\_Basics/.git/

c) Add a file (Add any file in your directory)

{Notice because of git init now (master) gets appended indicating you are on branch master in this repository}

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics (master)

$ ls

File1.docx

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics (master)

$ git add File1.docx

d) Commit this file {-m ’ Your custom message’}

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics (master)

$ git commit -m 'Basic Steps'

[master (root-commit) 8d8fd0d] Basic Steps

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 File1.docx

3] **Link your file to GitHub**

a) You need to replace "ruhigit" with your GitHub username

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics (master)

$ git remote add origin https://github.com/ruhigit/Git\_Basics.git

b) Push file to GitHub

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics (master)

$ git push origin master

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

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

To https://github.com/ruhigit/Git\_Basics.git

! [rejected] master -> master (fetch first)

error: failed to push some refs to 'https://github.com/ruhigit/Git\_Basics.git'

hint: Updates were rejected because the remote contains work that you do

hint: not have locally. This is usually caused by another repository pushing

hint: to the same ref. You may want to first integrate the remote changes

hint: (e.g., 'git pull ...') before pushing again.

hint: See the 'Note about fast-forwards' in 'git push --help' for details.

c) *(If rejected pull first)*

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics (master)

$ git pull origin master

warning: no common commits

remote: Counting objects: 3, done.

remote: Compressing objects: 100% (2/2), done.

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

Unpacking objects: 100% (3/3), done.

From https://github.com/ruhigit/Git\_Basics

\* branch master -> FETCH\_HEAD

\* [new branch] master -> origin/master

Merge made by the 'recursive' strategy.

README.md | 4 ++++

1 file changed, 4 insertions(+)

create mode 100644 README.md

d) Now push to master branch again (re-run the command)

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics (master)

$ git push origin master

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

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

Counting objects: 9, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (6/6), done.

Writing objects: 100% (8/8), 19.02 KiB | 0 bytes/s, done.

Total 8 (delta 0), reused 0 (delta 0)

To https://github.com/ruhigit/Git\_Basics.git

272406e..01785c5 master -> master

**4] Add or update files in this repository**

a) Change directory

RUHI-PC@RUHI /f/fall14/extra

$ cd Git\_Basics/

b) Add FileToAdd

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics (master)

$ ls

FileToAdd.docx README.md ~$leToAdd.docx

c) Add the file

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics (master)

$ git add FileToAdd.docx

d) Commit changes

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics (master)

$ git commit -m 'Adding a new file'

[master ac4d5f0] Adding a new file

1 file changed, 0 insertions(+), 0 deletions(-)

create mode 100644 FileToAdd.docx

e) It is safe to pull first (Can skip this step)

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics (master)

$ git pull origin master

From https://github.com/ruhigit/Git\_Basics

\* branch master -> FETCH\_HEAD

Already up-to-date.

f) Push the changes

RUHI-PC@RUHI /f/fall14/extra/Git\_Basics (master)

$ git push origin master

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

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

Counting objects: 14, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (11/11), done.

Writing objects: 100% (11/11), 25.81 KiB | 0 bytes/s, done.

Total 11 (delta 2), reused 0 (delta 0)

To https://github.com/ruhigit/Git\_Basics.git

4ed5a58..1f96799 master -> master