Let us start exploring some more git commands.

fms@git_practice:~$ **mkdir dev_colors**
fms@git_practice:~$ **cd dev_colors**
fms@git_practice:~/dev_colors$

fms@git_practice:~/dev_colors$ **git remote add**
origin https://github.com/srivalli-projects/sample-project.git
fatal: not a git repository (or any of the parent directories): .git
fms@git_practice:~/dev_colors$

Since this is a normal dir, it will not recognize git commands.

fms@git_practice:~/dev_colors$ **git init**
Initialized empty Git repository in /home/fms/dev_colors/.git/
fms@git_practice:~/dev_colors$

fms@git_practice:~/dev_colors$ **git remote add**
origin https://github.com/srivalli-projects/sample-project.git
fms@git_practice:~/dev_colors$

fms@git_practice:~/dev_colors$ **ls**
fms@git_practice:~/dev_colors$
fms@git_practice:~/dev_colors$ **cat .git/config**
[core]
    repositoryformatversion = 0
    filemode = true
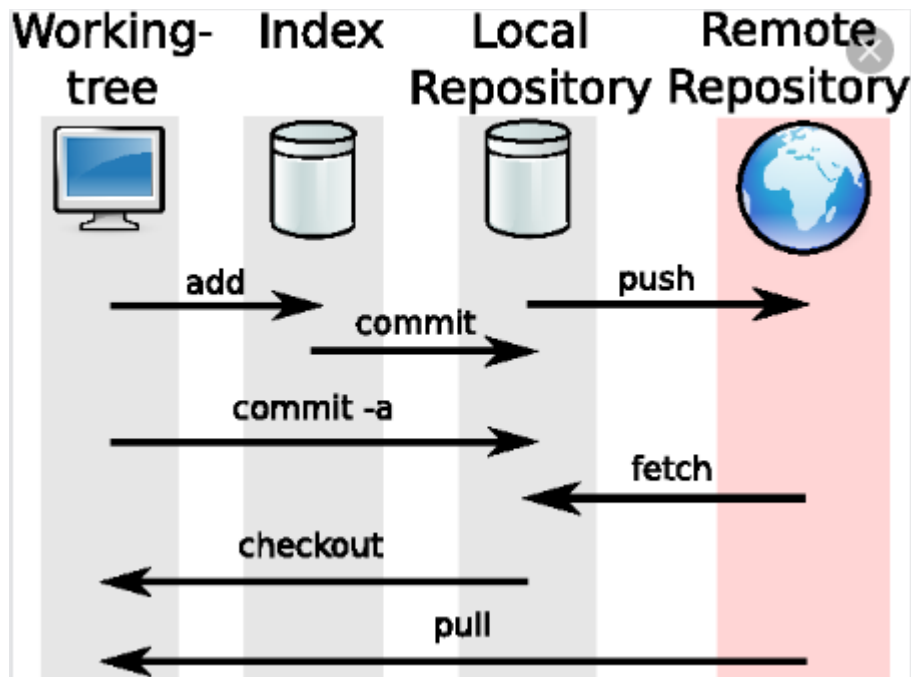   bare = false
    logallrefupdates = true
[remote "origin"]
    url = https://github.com/srivalli-projects/sample-project.git
    fetch = +refs/heads/*:refs/remotes/origin/*
fms@git_practice:~/dev_colors$

After adding the remote, the url got copied to .git/config automatically. So git knows where to push the changes.

Let us now pull the changes from git hub to this new dir 'dev_colors'

fms@git_practice:~/dev_colors$ **git pull origin master**
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (5/5), done.
Unpacking objects: 100% (9/9), done.
remote: Total 9 (delta 0), reused 9 (delta 0), pack-reused 0
From https://github.com/srivalli-projects/sample-project
 * branch   master   -> FETCH_HEAD
 * [new branch]   master   -> origin/master
fms@git_practice:~/dev_colors$

fms@git_practice:~/dev_colors$ **ls**
flowers.cpp fruits.c

We got the two files.

fms@git_practice:~/dev_colors$ **git branch**
* master
fms@git_practice:~/dev_colors$

fms@git_practice:~/dev_colors$ **git log**
commit 544e581fbb2e10e90fe64e6cb1567b48b22e1a44 (HEAD -> master,
origin/master)
Author: Dev-Flowers <dev_flowers@FLOWERS.com>
Date: Tue Nov 6 13:27:18 2018 +0530

    updated fruits.c

commit a135ee5c3e032c5120641d80efa7cf05ab1a73ad
Author: Dev-Flowers <dev_flowers@FLOWERS.com>
Date: Tue Nov 6 13:26:04 2018 +0530

    created flowers.cpp

commit 36c5a24d35f6103fb391139008161f938bcefbaf
Author: Dev-Fruits <dev_fruits@FRUITS.com>
Date: Mon Nov 5 17:33:09 2018 +0530

    created a file fruits.c
fms@git_practice:~/dev_colors$

Create one more file.

fms@git_practice:~/dev_colors$ **vi colors.java**
fms@git_practice:~/dev_colors$ **cat colors.java**
Red
Pink
Yellow
Blue
fms@git_practice:~/dev_colors$

One more.

fms@git_practice:~/dev_colors$ **vi sweets.py**
fms@git_practice:~/dev_colors$ **cat sweets.py**
Gulab Jamun
fms@git_practice:~/dev_colors$

fms@git_practice:~/dev_colors$ **git status**
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

    colors.java
    sweets.py

nothing added to commit but untracked files present (use "git add" to track)
fms@git_practice:~/dev_colors$ **git add colors.java**
fms@git_practice:~/dev_colors$

fms@git_practice:~/dev_colors$ **git commit -m "created colors.java"**
[master 66c27af] created colors.java
 1 file changed, 4 insertions(+)

create mode 100644 colors.java
fms@git_practice:~/dev_colors$

fms@git_practice:~/dev_colors$ **git add sweets.py**
fms@git_practice:~/dev_colors$
fms@git_practice:~/dev_colors$ **git commit -m "created sweets.py"**
[master 7d8d1d6] created sweets.py
 1 file changed, 1 insertion(+)
 create mode 100644 sweets.py
fms@git_practice:~/dev_colors$

fms@git_practice:~/dev_colors$ **git status**
On branch master
nothing to commit, working tree clean
fms@git_practice:~/dev_colors$

One more file please.

fms@git_practice:~/dev_colors$ **vi vegetables.html**
fms@git_practice:~/dev_colors$ **cat vegetables.html**
carrot
fms@git_practice:~/dev_colors$

fms@git_practice:~/dev_colors$ **git status**
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

    vegetables.html

nothing added to commit but untracked files present (use "git add" to track)
fms@git_practice:~/dev_colors$

We already added 2 files to staging area. Although we created a third file, we do not want to track this in git. So we can ignore this file using below command.

fms@git_practice:~/dev_colors$ **vi .gitignore**
fms@git_practice:~/dev_colors$ **cat .gitignore**
*.html
fms@git_practice:~/dev_colors$

It means that whichever file we do not want to keep track of, we can include them in .gitignore. In this case we are excluding all html files.

```
fms@git_practice:~/dev_colors$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)

    .gitignore

nothing added to commit but untracked files present (use "git add" to track)
fms@git_practice:~/dev_colors$
```

.gitignore is again a file. So we need to add this file to staging area and commit.

```
fms@git_practice:~/dev_colors$ git add .gitignore
fms@git_practice:~/dev_colors$ git status
On branch master
Changes to be committed:
  (use "git reset HEAD <file>..." to unstage)

    new file:   .gitignore

fms@git_practice:~/dev_colors$


fms@git_practice:~/dev_colors$ git commit -m "update .gitignore to ignore html files"
[master 32960a2] update .gitignore to ignore html files
 1 file changed, 1 insertion(+)
 create mode 100644 .gitignore
fms@git_practice:~/dev_colors$


fms@git_practice:~/dev_colors$ git status
On branch master
nothing to commit, working tree clean
fms@git_practice:~/dev_colors$

fms@git_practice:~/dev_colors$ git log
commit 32960a24dfab357b4fdf63f201781c8e89639c44 (HEAD -> master)
Author: Dev-Colors <dev_colors@COLORS.com>
Date:   Tue Nov 6 13:55:13 2018 +0530

    update .gitignore to ignore html files
```

commit 7d8d1d6b906cdca9272f52c1afda8873add4cbdd
Author: Dev-Colors <dev_colors@COLORS.com>
Date: Tue Nov 6 13:52:02 2018 +0530

    created sweets.py

commit 66c27af89135ff0e8b045d8be0b425165960f704
Author: Dev-Colors <dev_colors@COLORS.com>
Date: Tue Nov 6 13:51:28 2018 +0530

    created colors.java

commit 544e581fbb2e10e90fe64e6cb1567b48b22e1a44 (origin/master)
Author: Dev-Flowers <dev_flowers@FLOWERS.com>
Date: Tue Nov 6 13:27:18 2018 +0530

    updated fruits.c

commit a135ee5c3e032c5120641d80efa7cf05ab1a73ad
Author: Dev-Flowers <dev_flowers@FLOWERS.com>
Date: Tue Nov 6 13:26:04 2018 +0530

    created flowers.cpp

commit 36c5a24d35f6103fb391139008161f938bcefbaf
Author: Dev-Fruits <dev_fruits@FRUITS.com>
Date: Mon Nov 5 17:33:09 2018 +0530

    created a file fruits.c
fms@git_practice:~/dev_colors$

Push all these 3 commits.

fms@git_practice:~/dev_colors$ **git push origin master**
Username for 'https://github.com': srivalli-projects
Password for 'https://srivalli-projects@github.com':
Counting objects: 9, done.
Delta compression using up to 4 threads.
Compressing objects: 100% (6/6), done.
Writing objects: 100% (9/9), 817 bytes | 817.00 KiB/s, done.
Total 9 (delta 2), reused 0 (delta 0)

fms@git_practice:~/dev_colors$

Branch: master ▾

─○─ Commits on Nov 6, 2018

update .gitignore to ignore html files
Dev-Colors authored and Dev-Colors committed 5 minutes ago

created sweets.py
Dev-Colors authored and Dev-Colors committed 8 minutes ago

created colors.java
Dev-Colors authored and Dev-Colors committed 9 minutes ago

updated fruits.c
Dev-Flowers authored and Dev-Flowers committed 33 minutes ago

created flowers.cpp
Dev-Flowers authored and Dev-Flowers committed 34 minutes ago

─○─ Commits on Nov 5, 2018

created a file fruits.c
Dev-Fruits authored and Dev-Fruits committed 20 hours ago