

Local Repository “developerA” with 3 files demo 1, 2 and 3.

```
shnmughal3@github-bootcamp: ~/developerA - Google Chrome
ssh.cloud.google.com/projects/elevated-valve-306712/zones/us-central1-a/instances/github-bootcamp?authuser=0&hl=en_US&projectN...
shnmughal3@github-bootcamp:~/developerA$ git --version
git version 2.17.1
shnmughal3@github-bootcamp:~/developerA$ touch demo1 demo2 demo3
shnmughal3@github-bootcamp:~/developerA$ ll
total 12
drwxrwxr-x 3 shnmughal3 shnmughal3 4096 May 24 10:26 ./
drwxr-xr-x 6 shnmughal3 shnmughal3 4096 May 24 10:24 ../
drwxrwxr-x 7 shnmughal3 shnmughal3 4096 May 24 10:26 .git/
-rw-rw-r-- 1 shnmughal3 shnmughal3 0 May 24 10:26 demo1
-rw-rw-r-- 1 shnmughal3 shnmughal3 0 May 24 10:26 demo2
-rw-rw-r-- 1 shnmughal3 shnmughal3 0 May 24 10:26 demo3
shnmughal3@github-bootcamp:~/developerA$
shnmughal3@github-bootcamp:~/developerA$ git status
On branch master

No commits yet

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

        demo1
        demo2
        demo3

nothing added to commit but untracked files present (use "git add" to track)
shnmughal3@github-bootcamp:~/developerA$ git add .
shnmughal3@github-bootcamp:~/developerA$ git status
On branch master

No commits yet

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

        new file:   demo1
        new file:   demo2
        new file:   demo3

shnmughal3@github-bootcamp:~/developerA$ git commit -m "1st commit"
[master (root-commit) 2c51bae] 1st commit
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 demo1
 create mode 100644 demo2
 create mode 100644 demo3
shnmughal3@github-bootcamp:~/developerA$ git status
On branch master
nothing to commit, working tree clean
shnmughal3@github-bootcamp:~/developerA$
```

ADDING REMOTE REPOSITORY AND PUSHING LOCAL FILES INTO IT

```
shanmugha13@github-bootcamp:~/developerAS$ git remote add origin https://github.com/shanmugadhas13/devops_bootcamp.git
shanmugha13@github-bootcamp:~/developerAS$ 
shanmugha13@github-bootcamp:~/developerAS$ git push origin master
Username for 'https://github.com': shanmugadhas13
Password for 'https://shanmugadhas13@github.com':
Counting objects: 3, done.
Delta compression using up to 2 threads.
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 216 bytes | 216.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/shanmugadhas13/devops_bootcamp.git
 * [new branch]      master -> master
shanmugha13@github-bootcamp:~/developerAS$ 
shanmugha13@github-bootcamp:~/developerAS$ ll
total 12
drwxrwxr-x 3 shanmugha13 shanmugha13 4096 May 24 10:26 ./
drwxr-xr-x 6 shanmugha13 shanmugha13 4096 May 24 10:24 ../
drwxrwxr-x 8 shanmugha13 shanmugha13 4096 May 24 10:30 .git/
-rw-rw-r-- 1 shanmugha13 shanmugha13    0 May 24 10:26 demo1
-rw-rw-r-- 1 shanmugha13 shanmugha13    0 May 24 10:26 demo2
-rw-rw-r-- 1 shanmugha13 shanmugha13    0 May 24 10:26 demo3
shanmugha13@github-bootcamp:~/developerAS$
```

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master
 1 branch
 0 tags

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shanmugadhas13 1st commit
 2c51bae 5 minutes ago 1 commit

demo1	1st commit	5 minutes ago
demo2	1st commit	5 minutes ago
demo3	1st commit	5 minutes ago

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CREATING 2nd REPOSITORY AND CLONING CONTENTS FROM REMOTE REPO & PUSHING CHANGES

```
shanmugha13@github-bootcamp: ~/developerB/devops_bootcamp - Google Chrome
ssh.cloud.google.com/projects/elevated-valve-306712/zones/us-central1-a/instances/github-bootcamp?authuser=0&hl=en_US&projectN...
shamugha13@github-bootcamp:~$ cd developerB
shamugha13@github-bootcamp:~/developerB$ git clone https://github.com/shanmugadhas13/devops_bootcamp.git
Cloning into 'devops_bootcamp'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), done.
shamugha13@github-bootcamp:~/developerB$ ll
total 12
drwxrwxr-x 3 shanmugha13 shanmugha13 4096 May 24 10:39 ./
drwxr-xr-x 7 shanmugha13 shanmugha13 4096 May 24 10:38 ../
drwxrwxr-x 3 shanmugha13 shanmugha13 4096 May 24 10:39 devops_bootcamp/
shamugha13@github-bootcamp:~/developerB$ cd devops_bootcamp/
shamugha13@github-bootcamp:~/developerB/devops_bootcamp$ ll
total 12
drwxrwxr-x 3 shanmugha13 shanmugha13 4096 May 24 10:39 ./
drwxrwxr-x 3 shanmugha13 shanmugha13 4096 May 24 10:39 ../
drwxrwxr-x 8 shanmugha13 shanmugha13 4096 May 24 10:39 .git/
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:39 demo1
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:39 demo2
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:39 demo3
shamugha13@github-bootcamp:~/developerB/devops_bootcamp$ touch demo4
shamugha13@github-bootcamp:~/developerB/devops_bootcamp$ git status
On branch master
Your branch is up to date with 'origin/master'.

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

  demo4

nothing added to commit but untracked files present (use "git add" to track)
shamugha13@github-bootcamp:~/developerB/devops_bootcamp$ git add .
shamugha13@github-bootcamp:~/developerB/devops_bootcamp$ git commit -m "from devB"
[master blea07b] from devB
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 demo4
shamugha13@github-bootcamp:~/developerB/devops_bootcamp$
```

DEMO4 is pushed

shamugadhas13 / devops_bootcamp

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master 1 branch 0 tags

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shanmugadhas13 from devB b1ea07b 2 minutes ago 2 commits

demo1	1st commit	16 minutes ago
demo2	1st commit	16 minutes ago
demo3	1st commit	16 minutes ago
demo4	from devB	2 minutes ago

Help people interested in this repository understand your project by adding a README.

Add a README

DEMO 4 PULLED from REMOTE into DEV A local repo

```
shanmugha13@github-bootcamp: ~/developerA - Google Chrome
ssh.cloud.google.com/projects/elevated-valve-306712/zones/us-central1-a/instances/github-bootcamp?authuser=0&hl=e
shamugha13@github-bootcamp:~/developerA$
shamugha13@github-bootcamp:~/developerA$ ll
total 12
drwxrwxr-x 3 shanmugha13 shanmugha13 4096 May 24 10:26 ./
drwxr-xr-x 7 shanmugha13 shanmugha13 4096 May 24 10:38 ../
drwxrwxr-x 8 shanmugha13 shanmugha13 4096 May 24 10:45 .git/
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:26 demo1
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:26 demo2
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:26 demo3
shamugha13@github-bootcamp:~/developerA$
shamugha13@github-bootcamp:~/developerA$
shamugha13@github-bootcamp:~/developerA$ git pull
There is no tracking information for the current branch.
Please specify which branch you want to merge with.
See git-pull(1) for details.

git pull <remote> <branch>

If you wish to set tracking information for this branch you can do so with:

git branch --set-upstream-to=origin/<branch> master

shamugha13@github-bootcamp:~/developerA$ git pull origin master
From https://github.com/shanmugadhas13/devops_bootcamp
 * branch          master       -> FETCH_HEAD
Updating 2c51bae..b1ea07b
Fast-forward
 demo4 | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 demo4
shamugha13@github-bootcamp:~/developerA$ ll
total 12
drwxrwxr-x 3 shanmugha13 shanmugha13 4096 May 24 10:46 ./
drwxr-xr-x 7 shanmugha13 shanmugha13 4096 May 24 10:38 ../
drwxrwxr-x 8 shanmugha13 shanmugha13 4096 May 24 10:46 .git/
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:26 demo1
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:26 demo2
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:26 demo3
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:46 demo4
shamugha13@github-bootcamp:~/developerA$
```

NEW BRANCH

```
shanmugha13@github-bootcamp: ~/developerA - Google Chrome
ssh.cloud.google.com/projects/elevated-valve-306712/zones/us-central1-a/instances/github-bootcamp?authuser=0&hl=en_US&project...

shamugha13@github-bootcamp:~/developerA$ git checkout -b branch1
Switched to a new branch 'branch1'
shamugha13@github-bootcamp:~/developerA$ git log --oneline
b1ea07b (HEAD -> branch1, origin/master, master) from devB
2c51bae 1st commit
shamugha13@github-bootcamp:~/developerA$ touch new13
shamugha13@github-bootcamp:~/developerA$ ll
total 12
drwxrwxr-x 3 shanmugha13 shanmugha13 4096 May 24 10:51 ./
drwxr-xr-x 7 shanmugha13 shanmugha13 4096 May 24 10:38 ../
drwxrwxr-x 8 shanmugha13 shanmugha13 4096 May 24 10:50 .git/
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:26 demo1
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:26 demo2
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:26 demo3
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:46 demo4
-rw-rw-r-- 1 shanmugha13 shanmugha13 0 May 24 10:51 new13
shamugha13@github-bootcamp:~/developerA$
shamugha13@github-bootcamp:~/developerA$ git status
On branch branch1
Untracked files:
  (use "git add <file>..." to include in what will be committed)

    new13

nothing added to commit but untracked files present (use "git add" to track)
shamugha13@github-bootcamp:~/developerA$ git add .
shamugha13@github-bootcamp:~/developerA$ git commit -m "commit from nee branch"
[branch1 5cbc002] commit from nee branch
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 new13
shamugha13@github-bootcamp:~/developerA$
```

MERGE BRANCH

```
shamugha13@github-bootcamp: ~/developerA - Google Chrome
ssh.cloud.google.com/projects/elevated-valve-306712/zones/us-central1-a/instances/github-bootcamp?authuser=0&hl=en_US&project...

shamugha13@github-bootcamp:~/developerA$
shamugha13@github-bootcamp:~/developerA$ git merge branch1
Already up to date.
shamugha13@github-bootcamp:~/developerA$ git checkout master
Switched to branch 'master'
shamugha13@github-bootcamp:~/developerA$ git branch
  branch1
* master
shamugha13@github-bootcamp:~/developerA$ git branch -d branch1
warning: deleting branch 'branch1' that has been merged to
       'refs/remotes/origin/branch1', but not yet merged to HEAD.
Deleted branch branch1 (was 5cbc002).
shamugha13@github-bootcamp:~/developerA$
shamugha13@github-bootcamp:~/developerA$ git push origin master
Username for 'https://github.com': shanmugadhas13
Password for 'https://shanmugadhas13@github.com':
Everything up-to-date
shamugha13@github-bootcamp:~/developerA$
shamugha13@github-bootcamp:~/developerA$ git log --oneline
b1ea07b (HEAD -> master, origin/master) from devB
2c51bae 1st commit
shamugha13@github-bootcamp:~/developerA$
```

