CLONE USING SSH


```
MINGW64:/c/Users/spran/gitassignmentproject                    —    □    ×

Agent pid 3905
Enter passphrase for C:\Users\spran\.ssh\mykey:
Identity added: C:\Users\spran\.ssh\mykey (spran@Pranavi)

spran@Pranavi MINGW64 ~/gitassignmentproject (main)
$ git clone git@github.com:pranavi2012/gitassignmentproject.git
Cloning into 'gitassignmentproject'...
remote: Enumerating objects: 21, done.
remote: Counting objects: 100% (21/21), done.
remote: Compressing objects: 100% (16/16), done.
remote: Total 21 (delta 7), reused 7 (delta 2), pack-reused 0Receiving objects:
Receiving objects: 100% (21/21), 2.

Resolving deltas: 100% (7/7), done.

spran@Pranavi MINGW64 ~/gitassignmentproject (main)
$ cat .bashrc
cat: .bashrc: No such file or directory

spran@Pranavi MINGW64 ~/gitassignmentproject (main)
$ git add .
warning: adding embedded git repository: gitassignmentproject
hint: You've added another git repository inside your current repository.
hint: Clones of the outer repository will not contain the contents of
```

Col 23   100%   Windows (CRLF)   UTF-8


```
Windows PowerShell                             —    □    ×

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Program Files\Git\usr\bin> SSH-KEYGEN
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\spran/.ssh/id_rsa): /C/Users/spran/.ssh/mykey
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Saving key "/C/Users/spran/.ssh/mykey" failed: No such file or directory
PS C:\Program Files\Git\usr\bin> ssh-keygen
Generating public/private rsa key pair.
Enter file in which to save the key (C:\Users\spran/.ssh/id_rsa): /C/Users/spran/.ssh/mykey
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /C/Users/spran/.ssh/mykey
Your public key has been saved in /C/Users/spran/.ssh/mykey.pub
The key fingerprint is:
SHA256:JpW/RjZ9FKfdI0EFtVTyoNNA4WSaISOLBbRfVRAS11w spran@Pranavi
The key's randomart image is:
+---[RSA 3072]----+
|    .o.o =.*BO*E++|
|     + o B Bo+oOo |
|    o . + o +.+o+ |
|     . o . . o. . |
|      o S = . .   |
|       o o o .    |
|          o       |
|          .       |
|                  |
+----[SHA256]-----+
PS C:\Program Files\Git\usr\bin>
```

ected 22 bytes

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Default branch

main Updated 18 minutes ago by pranavi2012 Default

Your main branch isn't protected
Protect this branch from force pushing or deletion, or require status checks before merging. Learn more Dismiss Protect this branch

Your branches

sshsample Updated 2 minutes ago by spranavia@gmail.com 0 | 1 New pull request

Active branches

sshsample Updated 2 minutes ago by spranavia@gmail.com 0 | 1 New pull request

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MINGW64:/c/Users/spran/sshgitrepo

```
Agent pid 4254
Enter passphrase for C:\Users\spran\.ssh\mykey:
Identity added: C:\Users\spran\.ssh\mykey (spran@Pranavi)

spran@Pranavi MINGW64 ~/sshgitrepo (main)
$ git add .

spran@Pranavi MINGW64 ~/sshgitrepo (main)
$ git commit -m "hi" .
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

spran@Pranavi MINGW64 ~/sshgitrepo (main)
$ git push origin main
Everything up-to-date

spran@Pranavi MINGW64 ~/sshgitrepo (main)
$ git branch sshsample

spran@Pranavi MINGW64 ~/sshgitrepo (main)
$ git checkout sshsample
Switched to branch 'sshsample'

spran@Pranavi MINGW64 ~/sshgitrepo (sshsample)
$ touch sample.txt

spran@Pranavi MINGW64 ~/sshgitrepo (sshsample)
$ git add .

spran@Pranavi MINGW64 ~/sshgitrepo (sshsample)
$ git commit -m "branch creation" .
[sshsample 7bf2a98] branch creation
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 sample.txt

spran@Pranavi MINGW64 ~/sshgitrepo (sshsample)
$ git push origin sshsample
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 273 bytes | 273.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'sshsample' on GitHub by visiting:
remote:      https://github.com/pranavi2012/sshgitrepo/pull/new/sshsample
remote:
To github.com:pranavi2012/sshgitrepo.git
 * [new branch]      sshsample -> sshsample

spran@Pranavi MINGW64 ~/sshgitrepo (sshsample)
$
```
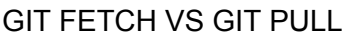
MERGE CONFLICT RESOLUTION

GIT FETCH VS GIT PULL

```
spran@Pranavi MINGW64 ~/sshrepo (feature2)
$ ls -a
./  ../  .git/  README.md  jenkin.txt

spran@Pranavi MINGW64 ~/sshrepo (feature2)
$ git fetch develop
fatal: 'develop' does not appear to be a git repository
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

spran@Pranavi MINGW64 ~/sshrepo (feature2)
$ git fetch

spran@Pranavi MINGW64 ~/sshrepo (feature2)
$ ls -a
./  ../  .git/  README.md  jenkin.txt

spran@Pranavi MINGW64 ~/sshrepo (feature2)
$ git merge develop
Updating ecd7961..ce6674e
Fast-forward
 fetchingfile.txt | 0
 jenkin.txt       | 4 ++++
 2 files changed, 4 insertions(+)
 create mode 100644 fetchingfile.txt

spran@Pranavi MINGW64 ~/sshrepo (feature2)
$ ls -a
./  ../  .git/  README.md  fetchingfile.txt  jenkin.txt
```



```
MINGW64:/c/Users/spran/sshrepo

spran@Pranavi MINGW64 ~/sshrepo (develop)
$ ls -a
./  ../  .git/  README.md  fetchingfile.txt  jenkin.txt  pullfile.txt

spran@Pranavi MINGW64 ~/sshrepo (develop)
$ git checkout feature1
Switched to branch 'feature1'

spran@Pranavi MINGW64 ~/sshrepo (feature1)
$ git pull origin develop
From github.com:pranavi2012/sshrepo
 * branch            develop     -> FETCH_HEAD
Merge made by the 'ort' strategy.
 pullfile.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 pullfile.txt

spran@Pranavi MINGW64 ~/sshrepo (feature1)
$ ls -a
./  ../  .git/  README.md  fetchingfile.txt  jenkin.txt  pullfile.txt

spran@Pranavi MINGW64 ~/sshrepo (feature1)
$
```

GIT MERGE VS REBASE

```
MINGW64:/c/Users/spran/sshrepo

Agent pid 1717
Enter passphrase for C:\Users\spran\.ssh\mykey:
Identity added: C:\Users\spran\.ssh\mykey (spran@Pranavi)

spran@Pranavi MINGW64 ~/sshrepo (develop)
$ touch mergerebase.txt

spran@Pranavi MINGW64 ~/sshrepo (develop)
$ git add .

spran@Pranavi MINGW64 ~/sshrepo (develop)
$ git commit -m "hi" .
[develop 3ccbbe0] hi
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 mergerabase.txt
 create mode 100644 mergerebase.txt

spran@Pranavi MINGW64 ~/sshrepo (develop)
$ git push origin develop
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (2/2), 232 bytes | 232.00 KiB/s, done.
Total 2 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:pranavi2012/sshrepo.git
   85c72c1..3ccbbe0  develop -> develop

spran@Pranavi MINGW64 ~/sshrepo (develop)
$ git checkout feature1
Switched to branch 'feature1'

spran@Pranavi MINGW64 ~/sshrepo (feature1)
$ gi merge develop
bash: gi: command not found

spran@Pranavi MINGW64 ~/sshrepo (feature1)
$ git merge develop
Merge made by the 'ort' strategy.
 mergerabase.txt | 0
 mergerebase.txt | 0
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 mergerabase.txt
 create mode 100644 mergerebase.txt

spran@Pranavi MINGW64 ~/sshrepo (feature1)
$ ls -a
./   .git/      fetchingfile.txt  mergerabase.txt  pullfile.txt
../  README.md  jenkin.txt        mergerebase.txt

spran@Pranavi MINGW64 ~/sshrepo (feature1)
$
```



```
MINGW64:/c/Users/spran/sshrepo

Agent pid 1785
Enter passphrase for C:\Users\spran\.ssh\mykey:
Identity added: C:\Users\spran\.ssh\mykey (spran@Pranavi)

spran@Pranavi MINGW64 ~/sshrepo (feature2)
$ git checkout develop
Switched to branch 'develop'

spran@Pranavi MINGW64 ~/sshrepo (develop)
$ ls -a
./   .git/      fetchingfile.txt  mergerabase.txt  pullfile.txt
../  README.md  jenkin.txt        mergerebase.txt

spran@Pranavi MINGW64 ~/sshrepo (develop)
$ git checkout feature2
Switched to branch 'feature2'

spran@Pranavi MINGW64 ~/sshrepo (feature2)
$ ls -a
./  ../  .git/  README.md  fetchingfile.txt  jenkin.txt

spran@Pranavi MINGW64 ~/sshrepo (feature2)
$ git rebase develop
Successfully rebased and updated refs/heads/feature2.

spran@Pranavi MINGW64 ~/sshrepo (feature2)
$ ls -a
./   .git/      fetchingfile.txt  mergerabase.txt  pullfile.txt
../  README.md  jenkin.txt        mergerebase.txt
```

GIT REVERT VS GIT RESET


```
[branch1 f0713fe] Revert "1"
 1 file changed, 1 insertion(+), 1 deletion(-)

Sanjana@LAPTOP-CPDOSDBL MINGW64 ~/June-16 (branch1)
$ cat 1.txt
1 one
2

Sanjana@LAPTOP-CPDOSDBL MINGW64 ~/June-16 (branch1)
```

CREATE APP SERVICE AND FUNCTION APP