

CLONE USING SSH

```
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 0
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/RjZ9FKfdI0EFtVTyoNNA4WSaISOLBbRfVRAS1lw spran@Pranavi
The key's randomart image is:
+---[RSA 3072]---+
| .o.o =.*B0+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

The top part of the image shows a GitHub repository page for 'pranavi2012/sshgitrepo'. The repository is public and has a default branch named 'main'. A message indicates that the main branch is not protected. There is one branch named 'sshsample' which was updated 2 minutes ago by 'spranvia@gmail.com'. The bottom part of the image shows a terminal window with the following commands and output:

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

spran@Pranavi MINGW64 ~/sshgitrepo (main)
$ git add .
spran@Pranavi MINGW64 ~/sshgitrepo (main)
$ git commit -m "h1"
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
$ git checkout sshsample
Switched to branch 'sshsample'

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

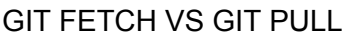
spran@Pranavi MINGW64 ~/sshgitrepo (sshsample)
$ git add .

spran@Pranavi MINGW64 ~/sshgitrepo (sshsample)
$ git commit -m "branch creation"
[sshsample 7bf2e93] 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: 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 jenkins.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 jenkins.txt

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

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

```



```

MINGW64:/c/Users/spran/sshrepo
spran@Pranavi MINGW64 ~/sshrepo (develop)
$ ls -a
./ ../ .git/ README.md fetchingfile.txt jenkins.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 jenkins.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 mergerbase.txt

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

spran@Pranavi MINGW64 ~/sshrepo (develop)
$ git commit -m "h1"
[develop 3ccbbe0] h1
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 mergerbase.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)
$ git merge develop
bash: git: command not found

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

spran@Pranavi MINGW64 ~/sshrepo (feature1)
$ ls -la
./ .git/      fetchingfile.txt  mergerbase.txt  pullfile.txt
./ README.md  jenkins.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 -la
./ .git/      fetchingfile.txt  mergerbase.txt  pullfile.txt
./ README.md  jenkins.txt       mergerebase.txt

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

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

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

spran@Pranavi MINGW64 ~/sshrepo (feature2)
$ ls -la
./ .git/      fetchingfile.txt  mergerbase.txt  pullfile.txt
./ README.md  jenkins.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)

```

```
[branch1 89fb945] Revert "Revert "1""
1 file changed, 1 insertion(+), 1 deletion(-)

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

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

CREATE APP SERVICE AND FUNCTION APP

The image shows a two-part process of creating and deploying an Azure Function App.

Top Screenshot: Azure Portal Deployment Overview

The browser window displays the Microsoft Azure portal at <https://portal.azure.com/#view/HubsExtension/DeploymentDetailsBlade/~/overview/id/%2Fsubscriptions%2F00702d1d-ec3e-4cf9-a23...>. The page title is "Microsoft.Web-FunctionApp-Portal-cd9648ea-b1f8 | Overview". The left sidebar shows navigation options: Overview, Inputs, Outputs, and Template. The main content area shows a successful deployment with a green checkmark and the message "Your deployment is complete".

Deployment details:

- Deployment name: Microsoft.Web-FunctionApp-Portal-cd9648ea-b...
- Subscription: Azure subscription 1
- Resource group: new3
- Start time: 6/18/2023, 1:38:27 PM
- Correlation ID: 6bcd5d97-8b2b-4bfe-97ac-5c57d29c31ac

Next steps:

- Create a function. Recommended
- Manage deployments for your app. Recommended

Buttons: Go to resource, Give feedback, Tell us about your experience with deployment.

Cost Management: Get notified to stay within your budget and prevent unexpected charges on your bill. Set up cost alerts >

Microsoft Defender for Cloud: Secure your apps and infrastructure. Go to Microsoft Defender for Cloud >

Free Microsoft tutorials: Start learning today >

Work with an expert: Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support. Find an Azure expert >

Bottom Screenshot: Function App Website

The browser window displays the Function App website at <https://functionappname1998.azurewebsites.net>. The page has a blue background with a lightbulb icon and the text "Your Functions 4.0 app is up and running". Below the text, it says "Azure Functions is an event-based serverless compute experience to accelerate your development." and "Learn more" with a circular arrow icon. The website is displayed in a browser window with a blue header and a blue footer.