

DAY 11

21/07/2025

[GitHub](#)

Git Commands

1. Open Git bash shell and create a new folder “**GitDemo**” and initialize as git repository

```
vishnu.n@PTPLL444 MINGW64 ~/payoda
$ mkdir git-demo
```

2. Git bash initializes the “**GitDemo**” repository.

```
vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo
$ git init
Initialized empty Git repository in C:/Users/vishnu.n/payoda/git-demo/.git/
```

3. Create a file “**welcome.txt**” and add content to the file (use echo or cat command)

```
vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (master)
$ cat welcome.txt
Welcome to GitDemo project
```

4. To verify if the file “welcome.txt” is created, execute ls-l

```
vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (main)
$ ls
file2.txt  file3.txt  welcome.txt
```

5. To verify the content, execute the command cat filename

```
vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (master)
$ cat welcome.txt
Welcome to GitDemo project
```

6. Execute git status

```
vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (master)
$ git status
On branch master

No commits yet

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

7. Signup with GitHub and create a remote repository “**GitDemo**”
8. Add remote origin

```
vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (master)
$ git remote add origin https://github.com/vishnu1002/GitDemo.git
```

9. Create files and push the local to remote repository.

```
vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (master)
$ git branch -M main

vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (main)
$ echo "This is file2" > file2.txt

vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (main)
$ echo "This is file3" > file3.txt

vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (main)
$ git status
On branch main

No commits yet

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        file2.txt
        file3.txt
        welcome.txt

nothing added to commit but untracked files present (use "git add" to track)
git
```

10. Make changes in the remote and pull the changes to the local.



vishnu1002 remote changes

Code Blame 2 lines (2 loc) · 59 Bytes

1	Welcome to GitDemo project
2	This line is edited from remote

```
vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (main)
$ git pull origin main
From https://github.com/vishnu1002/GitDemo
 * branch          main          -> FETCH_HEAD
Updating d15d307..d0cdd1f
Fast-forward
 welcome.txt | 1 +
 1 file changed, 1 insertion(+)
```

```
vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (main)
$ cat welcome.txt
Welcome to GitDemo project
This line is edited from remote
```

11. Create a .gitignore file to ignore contents of temp folder

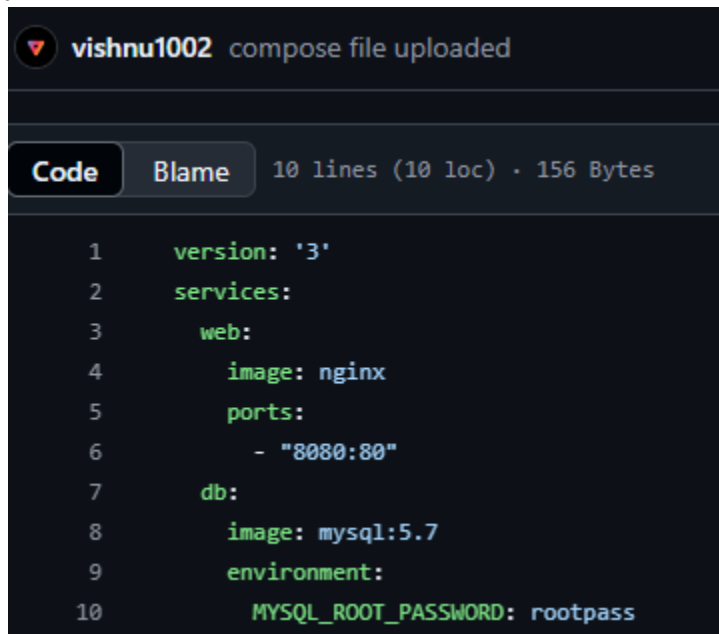
```
vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (main)
$ mkdir temp

vishnu.n@PTPLL444 MINGW64 ~/payoda/git-demo (main)
$ nano .gitignore
```

Docker

1. What is Docker-compose.yaml file? Give sample docker-compose file.

docker-compose.yaml is a configuration file used by Docker Compose, which allows you to define and run multi-container Docker applications using a single YAML file.



```
vishnu1002 compose file uploaded

Code Blame 10 lines (10 loc) · 156 Bytes

1  version: '3'
2  services:
3    web:
4      image: nginx
5      ports:
6        - "8080:80"
7    db:
8      image: mysql:5.7
9      environment:
10     MYSQL_ROOT_PASSWORD: rootpass
```

2. What is Docker hub?

Docker Hub provides instant access to pre-built, ready-to-use container images, letting you quickly pull and run applications without needing to install or configure software manually.