



ASSIGNMENT – 5

COURSE : DEVOPS

Trainer : Mr . MADHUKAR

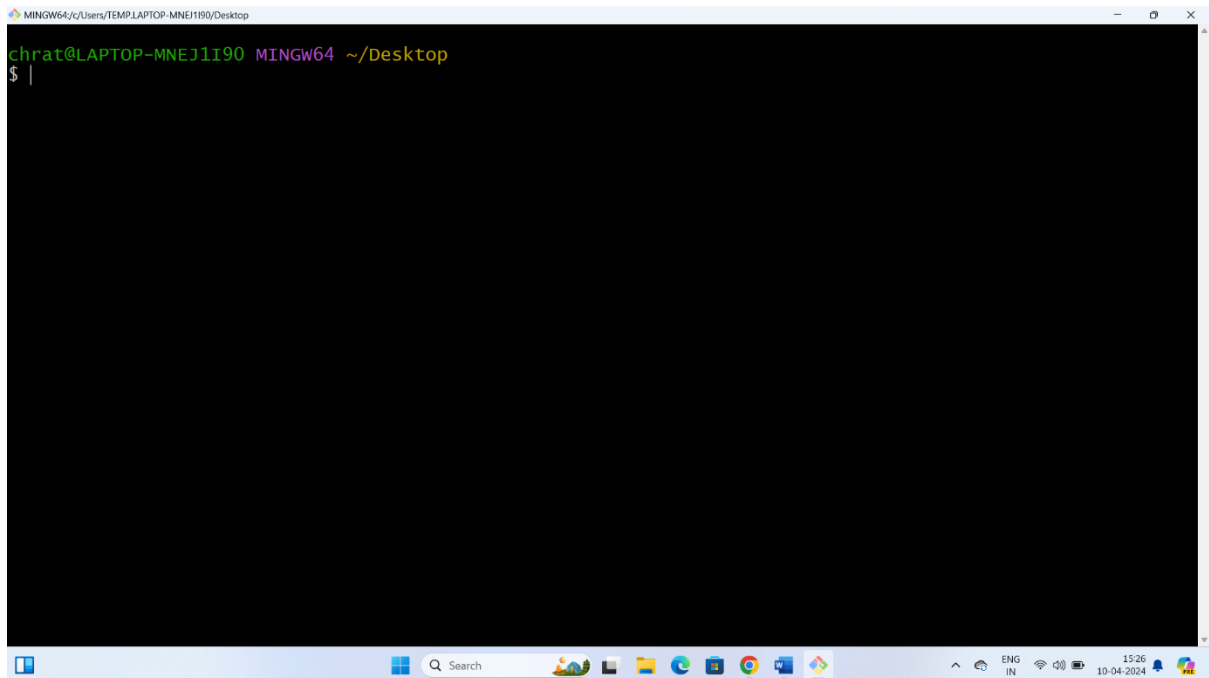


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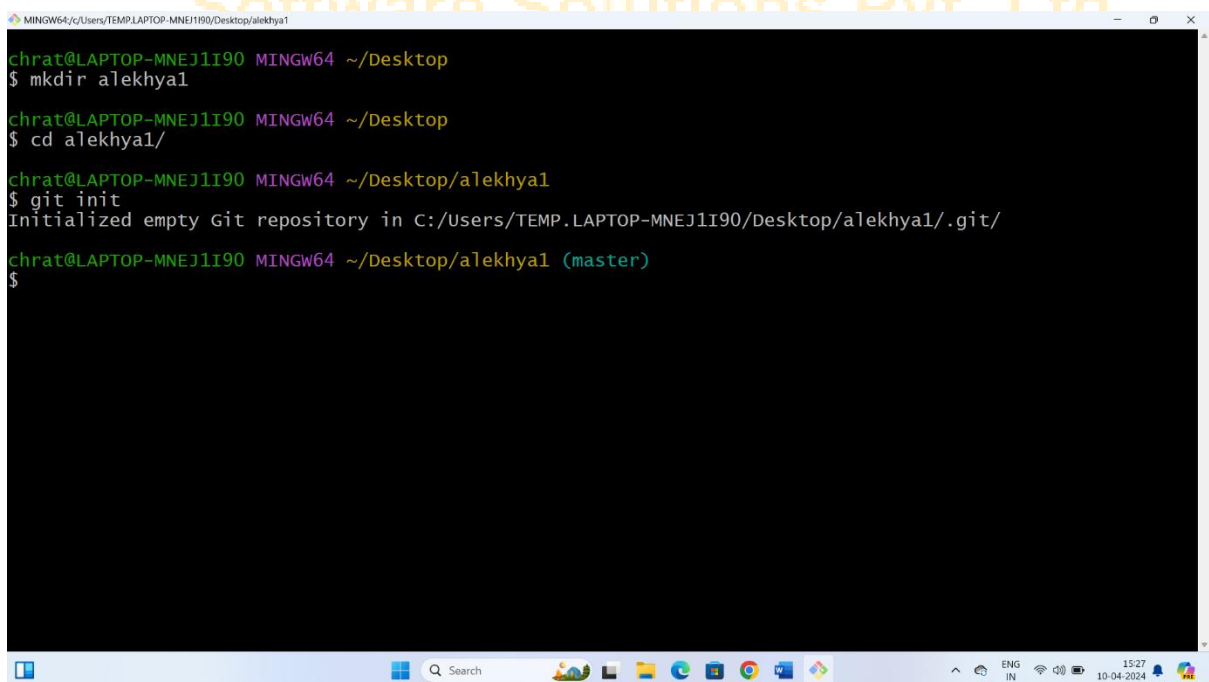
1) Create two branches and merge them , create directory and push in the repository , commit the changes to the file and use cherry pick to commit changes between branches ?

- Open the gitbash here then create a directory in desktop using command
- Command is :- `mkdir <directory name>`
- Initialize the created directory command is "git init"
- Default branch is "master"



A screenshot of a Windows terminal window titled "MINGW64/c:/Users/TEMP.LAPTOP-MNEJ1I90/Desktop". The prompt is "chratt@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop". The cursor is on a new line after the prompt.

```
chratt@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop
$ |
```



A screenshot of a Windows terminal window titled "MINGW64/c:/Users/TEMP.LAPTOP-MNEJ1I90/Desktop/alekhyal". The prompt is "chratt@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop". The user has entered the following commands: `mkdir alekhyal`, `cd alekhyal/`, and `git init`. The output of `git init` is "Initialized empty Git repository in C:/Users/TEMP.LAPTOP-MNEJ1I90/Desktop/alekhyal/.git/". The prompt is now "chratt@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhyal (master)".

```
chratt@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop
$ mkdir alekhyal

chratt@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop
$ cd alekhyal/

chratt@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhyal
$ git init
Initialized empty Git repository in C:/Users/TEMP.LAPTOP-MNEJ1I90/Desktop/alekhyal/.git/

chratt@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhyal (master)
$
```

- Now create a file in master branch and do the work flow (i.e., git add . & git commit)

```

MINGW64~/Users/TEMP/LAPTOP-MNEJ1I90/Desktop/alekhya1
chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (master)
$ vi file1

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (master)
$ cat file1
Hai hello good evening
hello

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (master)
$ git add .
warning: in the working copy of 'file1', LF will be replaced by CRLF the next time Git touches it

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (master)
$ git commit -m "1st commit"
[master (root-commit) f442995] 1st commit
1 file changed, 2 insertions(+)
create mode 100644 file1

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (master)
$ git log
commit f442995702a85e2158851ba6dbc4e8a1d3120e3b (HEAD -> master)
Author: alekhya123 <chadu0986@gmail.com>
Date: Wed Apr 10 15:29:30 2024 +0530

    1st commit

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (master)
$ |

```

- Now create new branch and create files in new branch and do the work flow (i.e., git add . & git commit)
- New create & switch branch commands are :-
- git branch <branch Name>
- git checkout <branch Name>

```

MINGW64~/Users/TEMP/LAPTOP-MNEJ1I90/Desktop/alekhya1
chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (master)
$ git branch dev

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (master)
$ git checkout dev
Switched to branch 'dev'

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (dev)
$ ls
file1

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (dev)
$ vi file2

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (dev)
$ cat file2
aaaaaaaaa
lllllllll
eeeeeeee
kkkkkkkk
hhhhhhh
yyyyyyyyy
aaaaaaaaa

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (dev)
$ vi file3

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (dev)
$ cat file3
lllllllll

```

```
MINGW64/c/Users/TEMP.LAPTOP-MNEJ1I90/Desktop/alekhya1
chr@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (dev)
$ git log
commit f442995702a85e2158851ba6dbc4e8a1d3120e3b (HEAD -> dev, master)
Author: alekhya123 <chadu0986@gmail.com>
Date: Wed Apr 10 15:29:30 2024 +0530

1st commit

chr@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (dev)
$ git add file2
warning: in the working copy of 'file2', LF will be replaced by CRLF the next time Git touches it

chr@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (dev)
$ git commit -m "2nd commit"
[dev 02157b1] 2nd commit
1 file changed, 7 insertions(+)
create mode 100644 file2

chr@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (dev)
$ git log
commit 02157b1c6de744bef722b645150f1d0a9b361c60 (HEAD -> dev)
Author: alekhya123 <chadu0986@gmail.com>
Date: Wed Apr 10 15:35:02 2024 +0530

2nd commit

commit f442995702a85e2158851ba6dbc4e8a1d3120e3b (master)
Author: alekhya123 <chadu0986@gmail.com>
Date: Wed Apr 10 15:29:30 2024 +0530
```

```
MINGW64/c/Users/TEMP.LAPTOP-MNEJ1I90/Desktop/alekhya1
chr@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (dev)
$ git add file3
warning: in the working copy of 'file3', LF will be replaced by CRLF the next time Git touches it

chr@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (dev)
$ git commit -m "3rd commit"
[dev 786c1c9] 3rd commit
1 file changed, 2 insertions(+)
create mode 100644 file3

chr@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (dev)
$ git log
commit 786c1c9b905c7645f5308c8aabbcc9373ea1dc150 (HEAD -> dev)
Author: alekhya123 <chadu0986@gmail.com>
Date: Wed Apr 10 15:43:25 2024 +0530

3rd commit

commit 02157b1c6de744bef722b645150f1d0a9b361c60
Author: alekhya123 <chadu0986@gmail.com>
Date: Wed Apr 10 15:35:02 2024 +0530

2nd commit

commit f442995702a85e2158851ba6dbc4e8a1d3120e3b (master)
Author: alekhya123 <chadu0986@gmail.com>
Date: Wed Apr 10 15:29:30 2024 +0530

1st commit
```

- Now using cherry-pick command we required file to be copied into one branch to another branch command is
- git cherry-pick <first 7 or more digits commit id of we required>

```
MINGW64/c/Users/TEMP.LAPTOP-MNEJ1I90/Desktop/alekhyal
chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhyal (dev)
$ git checkout master
Switched to branch 'master'

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhyal (master)
$ git cherry-pick 02157b1c6de744b
[master b4a0e3f] 2nd commit
Date: Wed Apr 10 15:35:02 2024 +0530
1 file changed, 7 insertions(+)
create mode 100644 file2

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhyal (master)
$ git log
commit b4a0e3f0151fbf67f1a53bff97b92ac3790a4f69 (HEAD -> master)
Author: alekhyal23 <chadu0986@gmail.com>
Date: Wed Apr 10 15:35:02 2024 +0530

    2nd commit

commit f442995702a85e2158851ba6dbc4e8a1d3120e3b
Author: alekhyal23 <chadu0986@gmail.com>
Date: Wed Apr 10 15:29:30 2024 +0530

    1st commit

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhyal (master)
$ |
```

- Now two branches merge and push into the repository
- By git merge <branch Name> this command use merge two branches

```
MINGW64/c/Users/TEMP.LAPTOP-MNEJ1I90/Desktop/alekhyal
chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhyal (master)
$ git merge dev
Merge made by the 'ort' strategy.
file3 | 2 ++
1 file changed, 2 insertions(+)
create mode 100644 file3

chrat@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhyal (master)
$ git log
commit e6b2be9de9f81911014fd4718385514b737bc487 (HEAD -> master)
Merge: b4a0e3f 786c1c9
Author: alekhyal23 <chadu0986@gmail.com>
Date: Wed Apr 10 16:03:44 2024 +0530

    Merge branch 'dev'

commit b4a0e3f0151fbf67f1a53bff97b92ac3790a4f69
Author: alekhyal23 <chadu0986@gmail.com>
Date: Wed Apr 10 15:35:02 2024 +0530

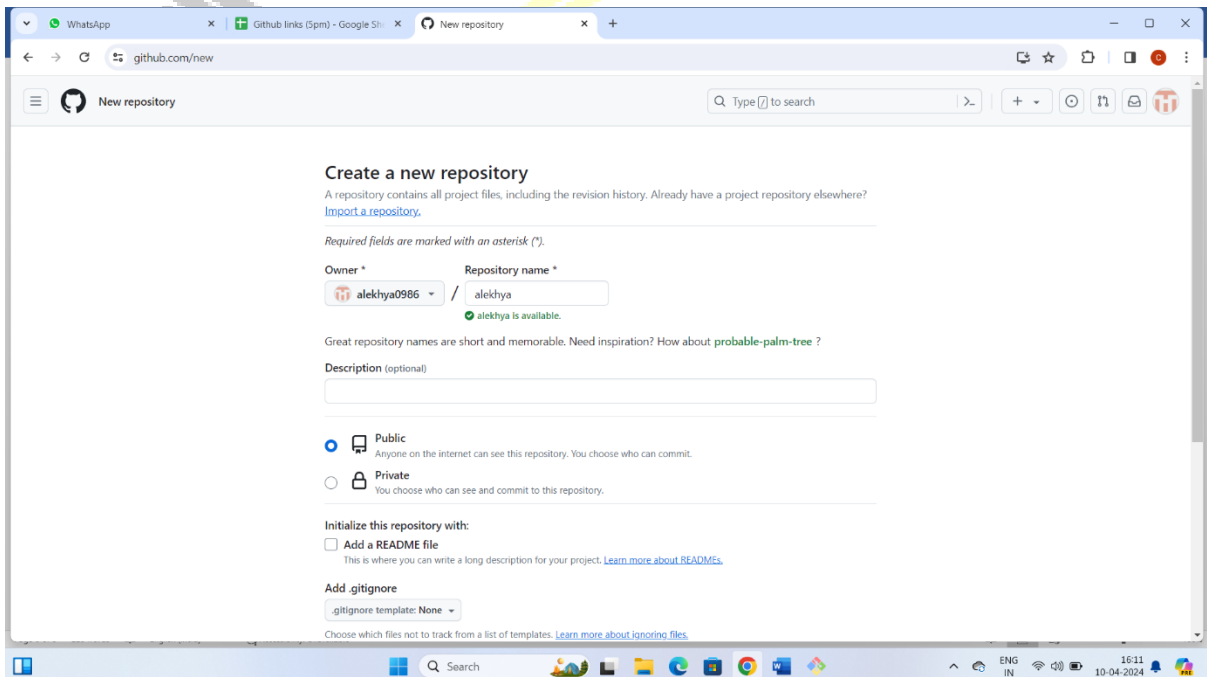
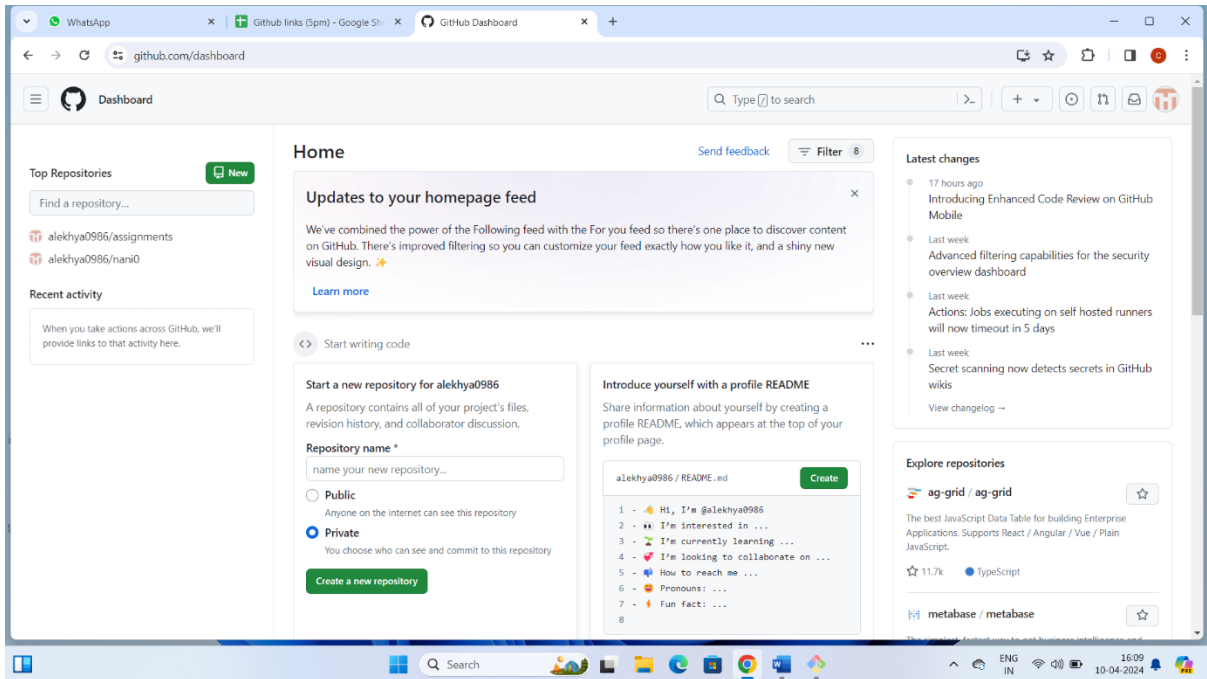
    2nd commit

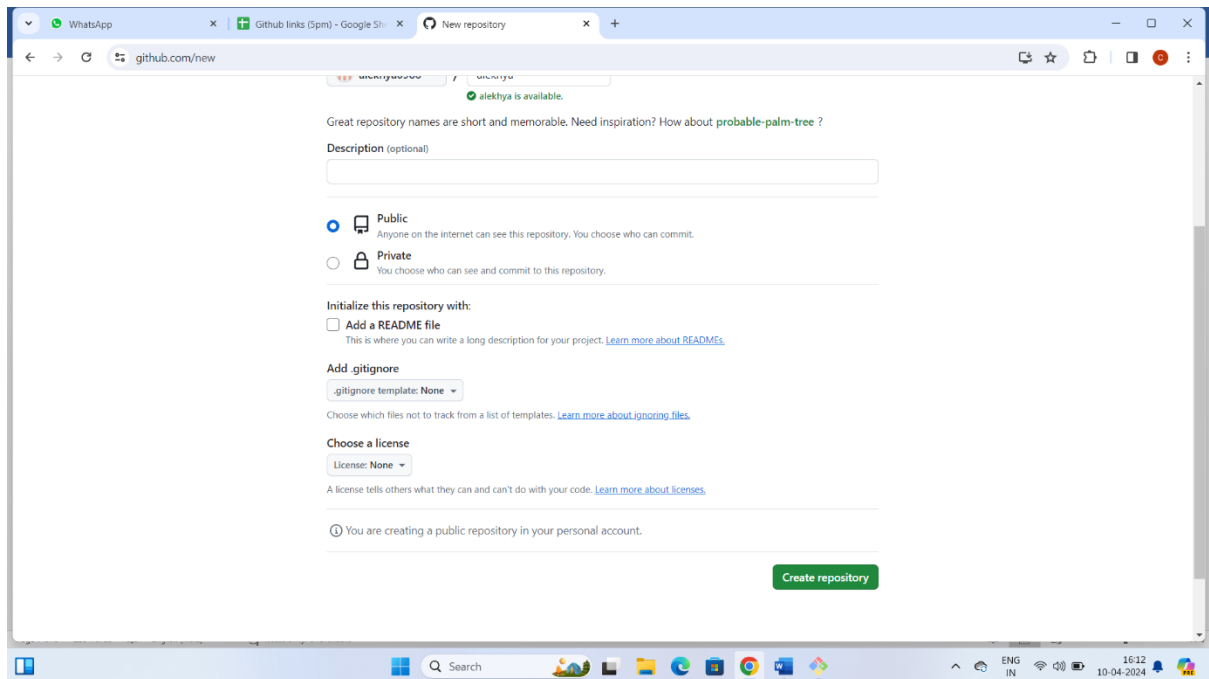
commit 786c1c9b905c7645f5308cbaabcc9373ea1dc150 (dev)
Author: alekhyal23 <chadu0986@gmail.com>
Date: Wed Apr 10 15:43:25 2024 +0530

    3rd commit

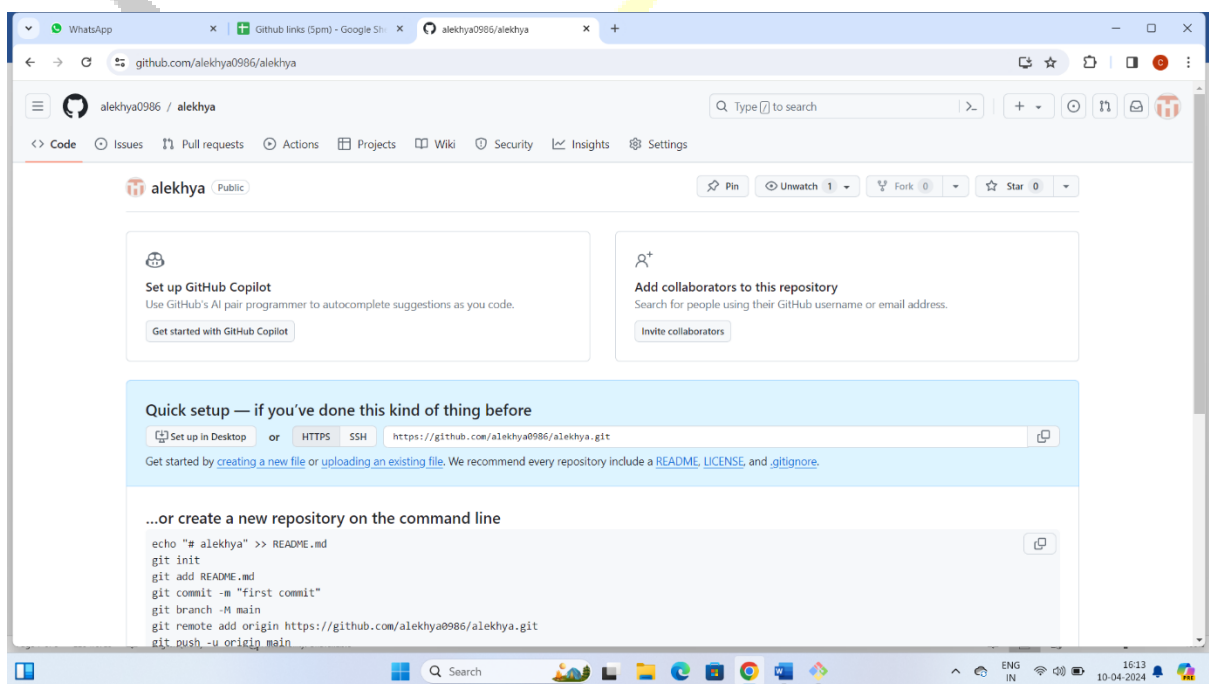
commit 02157b1c6de744bef722b645150f1d0a9b361c60
Author: alekhyal23 <chadu0986@gmail.com>
```

- Now go to GitHub account and create repository





- And copy the git remote add URL paste into the gitbash



- **"git push origin master"** using this command files are upload into the repository
- Now we can see the files in the Repository

```
MINGW64~/Users/TEMP/LAPTOP-MNEJ1I90/Desktop/alekhya1
chr@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (master)
$ git remote add origin https://github.com/alekhya0986/alekhya.git

chr@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (master)
$ git push origin master
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 4 threads
Compressing objects: 100% (8/8), done.
Writing objects: 100% (11/11), 864 bytes | 144.00 KiB/s, done.
Total 11 (delta 3), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (3/3), done.
To https://github.com/alekhya0986/alekhya.git
 * [new branch]      master -> master

chr@LAPTOP-MNEJ1I90 MINGW64 ~/Desktop/alekhya1 (master)
$ |
```

