



## ASSIGNMENT – 5

COURSE : DEVOPS

Trainer : Mr . MADHUKAR

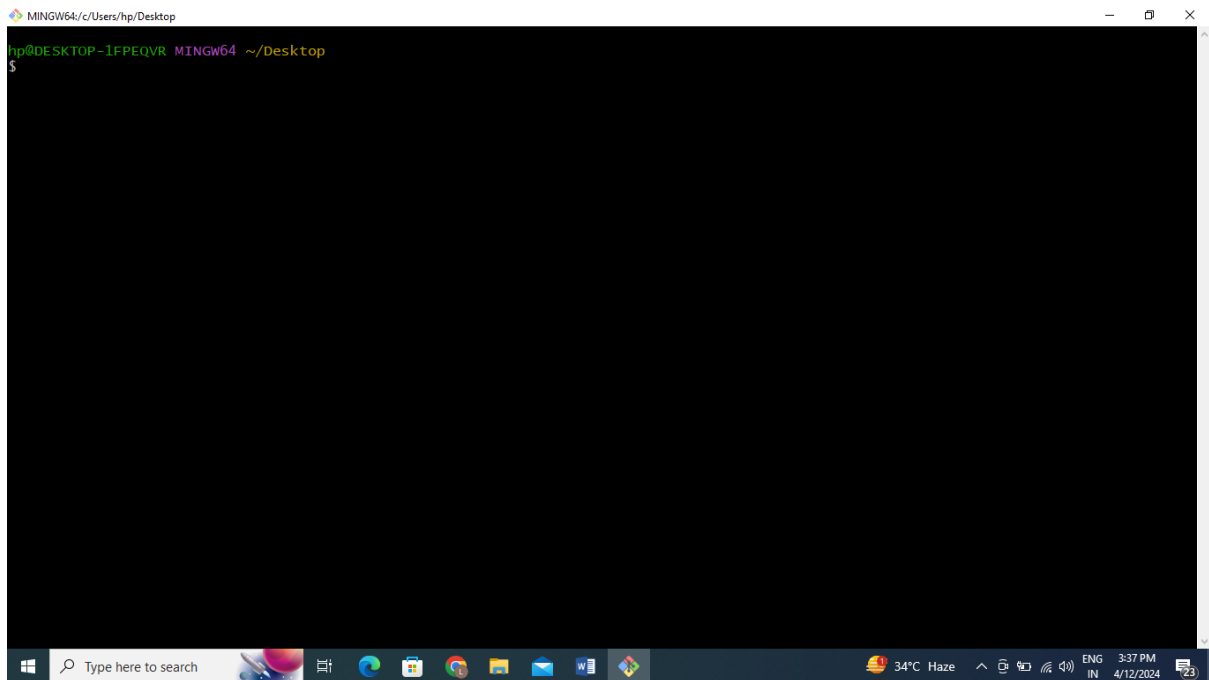


NAME:R.Lakshmi

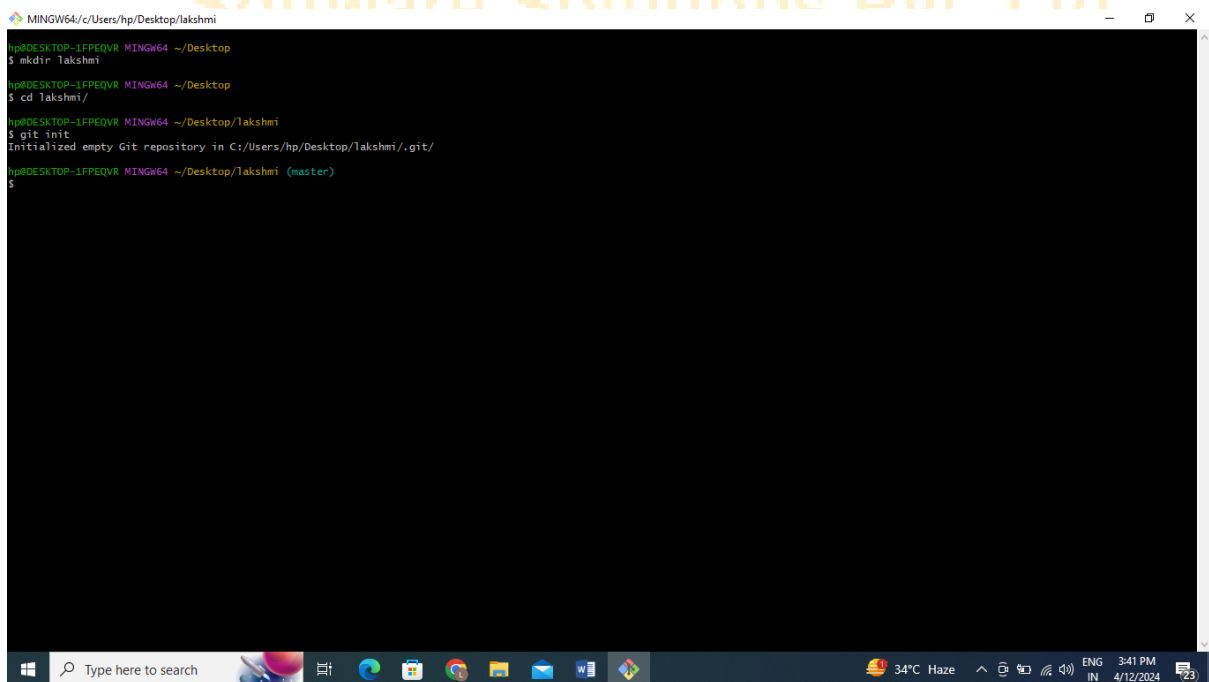
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# 1 ) Create two branches and merge them , create directory and push in the repository , commit the changes to the file and use cherry pick to commit changes between branches ?

- 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"



```
MINGW64/c/Users/hp/Desktop
hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop
$
```



```
MINGW64/c/Users/hp/Desktop/lakshmi
hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop
$ mkdir lakshmi
hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop
$ cd lakshmi/
hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi
$ git init
Initialized empty Git repository in C:/Users/hp/Desktop/lakshmi/.git/
hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$
```

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

```

MINGW64/c/Users/hp/Desktop/lakshmi
hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ vi file1

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ cat file1
aaaaaaa
bbbbbb
vvvvv
kkkkk

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ git add .
warning: in the working copy of 'file1', LF will be replaced by CRLF the next time Git touches it

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ git commit -m "1st commit"
git: 'commit' is not a git command. See 'git --help'.

The most similar command is
    commit

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ git commit -m "1st commit"
[master (root-commit) 4ab3d22] 1st commit
1 file changed, 4 insertions(+)
create mode 100644 file1

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ git log
commit 4ab3d22afc9d45af5fea60bb136cf58f56b37bbd (HEAD -> master)
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:08:20 2024 +0530

    1st commit

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (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/c/Users/hp/Desktop/lakshmi
hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ git branch dev

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ git checkout dev
Switched to branch 'dev'

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ ls
file1

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ vi file2

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ cat file2
hgghgherrfg
jthbngg
hghngth
defgk

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ vi file3

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ cat file3
ingggbb
htyhjh
jjjmjjk
hjmmbb

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git log

```

```
MINGW64/c/Users/hp/Desktop/lakshmi
hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git log
commit 4ab3d22afc9d45af5fea60bb136cf58f56b37bbd (HEAD -> dev, master)
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:08:20 2024 +0530

    1st commit

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git add file2
warning: in the working copy of 'file2', LF will be replaced by CRLF the next time Git touches it

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git commit -m "2nd commit"
[dev 6b15321] 2nd commit
    1 file changed, 4 insertions(+)
    create mode 100644 file2

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git log
commit 6b15321044b38b0025927cba971ea92b6522244d (HEAD -> dev)
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:12:20 2024 +0530

    2nd commit

commit 4ab3d22afc9d45af5fea60bb136cf58f56b37bbd (master)
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:08:20 2024 +0530

    1st commit

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
```

```
MINGW64/c/Users/hp/Desktop/lakshmi
hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git add file3
warning: in the working copy of 'file3', LF will be replaced by CRLF the next time Git touches it

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git commmit -m "3rd commit"
git: 'commmit' is not a git command. See 'git --help'.

The most similar command is
    commit

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git commit -m "3rd commit"
[dev d4a5e40] 3rd commit
    1 file changed, 4 insertions(+)
    create mode 100644 file3

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git log
commit d4a5e403000ecf98f9e43d66c30695b9b019f99b (HEAD -> dev)
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:13:32 2024 +0530

    3rd commit

commit 6b15321044b38b0025927cba971ea92b6522244d
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:12:20 2024 +0530

    2nd commit

commit 4ab3d22afc9d45af5fea60bb136cf58f56b37bbd (master)
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
```

- 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/hp/Desktop/lakshmi
commit 4ab3d22afc9d45af5fea60bb136cf58f56b37bbd (master)
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:08:20 2024 +0530

1st commit

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git add file3
warning: in the working copy of 'file3', LF will be replaced by CRLF the next time Git touches it

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git commit -m "3rd commit"
git: 'commit' is not a git command. See 'git --help'.

The most similar command is
commit

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git commit -m "3rd commit"
[dev d4a5e40] 3rd commit
1 file changed, 4 insertions(+)
create mode 100644 file3

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git log
commit d4a5e403000ecf98f9e43d66c30695b9b019f99b (HEAD -> dev)
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:13:32 2024 +0530

3rd commit

commit 6b15321044b38b0025927cba971ea92b6522244d
```

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

```
MINGW64/c/Users/hp/Desktop/lakshmi
hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git log
commit d4a5e403000ecf98f9e43d66c30695b9b019f99b (HEAD -> dev)
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:13:32 2024 +0530

3rd commit

commit 6b15321044b38b0025927cba971ea92b6522244d
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:12:20 2024 +0530

2nd commit

commit 4ab3d22afc9d45af5fea60bb136cf58f56b37bbd (master)
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:08:20 2024 +0530

1st commit

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git checkout master
Switched to branch 'master'

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ git cherry-pick 6b153210
[master d4bde90] 2nd commit
Date: Fri Apr 12 16:12:20 2024 +0530
1 file changed, 4 insertions(+)
create mode 100644 file2

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ git log
```

```
MINGW64/c/Users/hp/Desktop/lakshmi
hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (dev)
$ git checkout master
Switched to branch 'master'

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ git cherry-pick 6b153210
[master d4bde90] 2nd commit
Date: Fri Apr 12 16:12:20 2024 +0530
1 file changed, 4 insertions(+)
create mode 100644 file2

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ git log
commit d4bde902a161c9d9d7cdfb3ce2e454f343bb3f78 (HEAD -> master)
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:12:20 2024 +0530

    2nd commit

commit 4ab3d22afc9d45af5fea60bb136cf58f56b37bbd
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:08:20 2024 +0530

    1st commit

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ git merge dev
Merge made by the 'ort' strategy.
file3 | 4 ++++
1 file changed, 4 insertions(+)
create mode 100644 file3

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
```

- Now go to GitHub account and create repository

Create a new repository

A repository contains all project files, including the revision history. Already have a project repository elsewhere?  
[Import a repository.](#)

Required fields are marked with an asterisk (\*).

Owner \* Repository name \*

Ravurilakshmi28 / lakshmi12

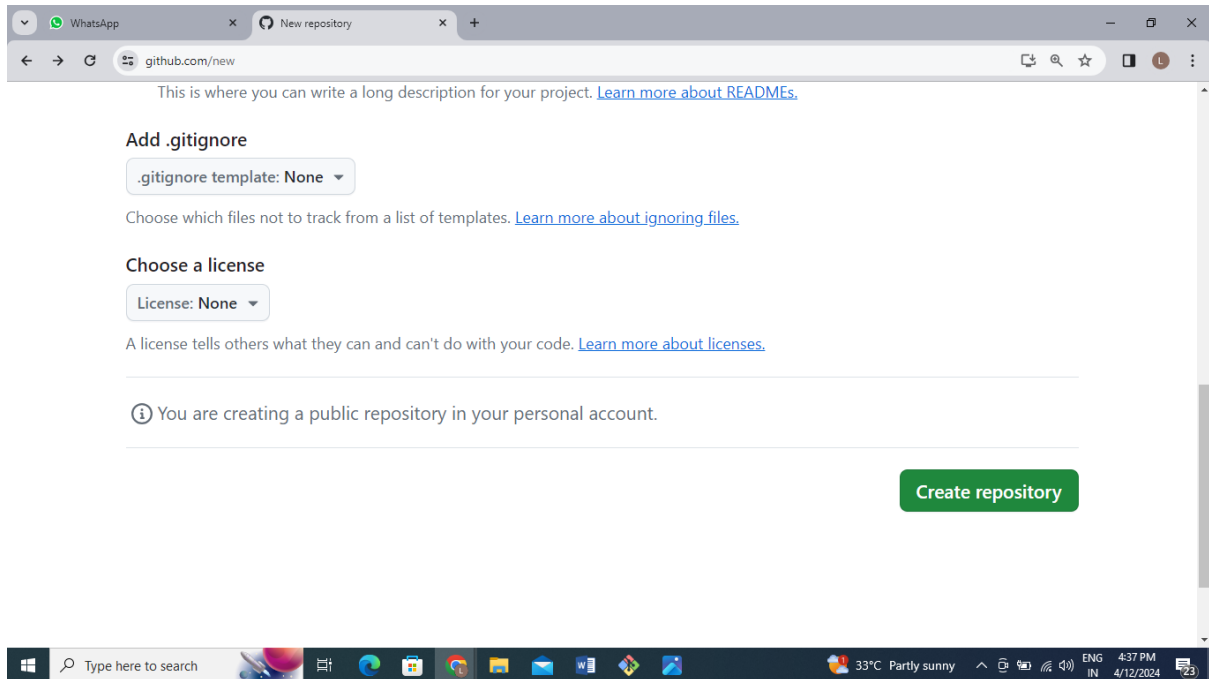
✓ lakshmi12 is available.

Great repository names are short and memorable. Need inspiration? How about **verbose-meme** ?

Description (optional)

☒ Public  
Anyone on the internet can see this repository. You choose who can commit.

☐ Private



- 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/hp/Desktop/lakshmi
commit 6b15321044b38b0025927cba971ea92b6522244d
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:12:20 2024 +0530

    2nd commit

commit 4ab3d22afc9d45af5fea60bb136cf58f56b37bbd
Author: Ravurilakshmi28 <ravurilakshmi2315@gmail.com>
Date: Fri Apr 12 16:08:20 2024 +0530

    1st commit

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$ git remote add origin https://github.com/Ravurilakshmi28/lakshmi123.git

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (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% (7/7), done.
Writing objects: 100% (11/11), 892 bytes | 297.00 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/Ravurilakshmi28/lakshmi123.git
 * [new branch]      master -> master

hp@DESKTOP-1FPEQVR MINGW64 ~/Desktop/lakshmi (master)
$
  
```

