

Experiment NO: 3

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Division: A , Batch:- A1

Roll No: 13

Q) Implement a GitFlow Workflow for a team project.

```
dyp@dyp-OptiPlex-3000:~/Desktop$ cd college-lab
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch
* main
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ touch new.py
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ gedit new.py
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git init
Reinitialized existing Git repository in /home/dyp/Desktop/college-lab/.git/
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git add .
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git commit -m "New file to be added"
[main cc6e4e1] New file to be added
 1 file changed, 1 insertion(+)
   create mode 100644 new.py
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git remote set-url origin https://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@github.com/prathameshwaghvade/
Owner avatar
fatal: No such URL found: avatar
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ college-lab
college-lab: command not found
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git remote set-url origin https://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@github.com/prathameshwaghvade/
college-lab
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git push origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 315 bytes | 315.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/akhilsh596/college-lab
   eb866d2..cc6e4e1  main -> main
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch
* main
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

The screenshot shows the GitHub interface for a repository named 'college-lab' by user 'akhilsh596'. The repository is public and has 5 branches, 0 tags, 1 star, 1 watch, and 1 fork. The 'develop' branch is selected, and it is noted that this branch is up to date with 'main'. A table of recent commits is displayed, showing a sequence of file additions and updates. The 'README' file is highlighted, showing its content: 'college-lab' and 'This is a repo for college work'.

Commit	Message	Time
cc6e4e1	New file to be added	8 minutes ago
eb866d2	added a new file	3 weeks ago
...

college-lab

This is a repo for college work

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```
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch
* main
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch develop
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch
* develop
* main
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git checkout develop
Switched to branch 'develop'
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git btanch
git: 'btanch' is not a git command. See 'git --help'.

The most similar command is
branch
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch
* develop
* main
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git push origin develop
Total 0 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'develop' on GitHub by visiting:
remote:   https://github.com/akhilesh596/college-lab/pull/new/deveop
remote:
To https://github.com/akhilesh596/college-lab
* [new branch]    develop -> develop
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch feature
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch
* develop
* feature
* main
```

```
dyp@dyp-OptiPlex-3000: ~/Desktop/college-lab
develop
* main
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git checkout develop
Switched to branch 'develop'
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git btanch
git: 'btanch' is not a git command. See 'git --help'.

The most similar command is
branch
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch
* develop
* main
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git push origin develop
Total 0 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'develop' on GitHub by visiting:
remote:   https://github.com/akhilesh596/college-lab/pull/new/deveop
remote:
To https://github.com/akhilesh596/college-lab
* [new branch]    develop -> develop
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch feature
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch
* develop
* feature
* main
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git checkout -b feature
fatal: A branch named 'feature' already exists.
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git checkout feature
Switched to branch 'feature'
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git push origin feature
Total 0 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'feature' on GitHub by visiting:
remote:   https://github.com/akhilesh596/college-lab/pull/new/deveop
remote:
To https://github.com/akhilesh596/college-lab
* [new branch]    feature -> feature
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$
```

Experiment NO: 3

```
dyp@dyp-OptiPlex-3000: ~/Desktop/college-lab
develop
feature
main
* releasev1.0
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git push origin releasev1.0
Total 0 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'releasev1.0' on GitHub by visiting:
remote:   https://github.com/akhilesh596/college-lab/pull/new/develop
remote:
To https://github.com/akhilesh596/college-lab
* [new branch]   releasev1.0 -> releasev1.0
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch hotfix/bug-4
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch
  checkout
  develop
  feature
  hotfix/bug-4
  main
* releasev1.0
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git checkout hotfix/bug-4
Switched to branch 'hotfix/bug-4'
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git branch
  checkout
  develop
  feature
  hotfix/bug-4
  main
* hotfix/bug-4
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$ git push origin hotfix/bug-4
Total 0 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'hotfix/bug-4' on GitHub by visiting:
remote:   https://github.com/akhilesh596/college-lab/pull/new/hotfix/bug-4
remote:
To https://github.com/prathameshwaghvade/college-lab
* [new branch]   hotfix/bug-4 -> hotfix/bug-4
dyp@dyp-OptiPlex-3000:~/Desktop/college-lab$
```

← → ↺

🔒 https://github.com/prathameshwaghvade/college-lab/releases/new

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🔍 🗨 📁 📧 ⌵

🔍

akhilesh596 / college-lab

🔍 Type ↵ to search

🗨 + 📁 📧 ⌵

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Releases Tags

📄 newTag 🏷️ Target: releasev1.0 📄 Previous tag: auto 📄 Generate release notes

Excellent! This tag will be created from the target when you publish this release.

Release title

Write Preview

H B I ↵ 🔗 | | | | | | | | | |

This is a new release to publish on the branch releasev1.0 at college-lab repository...

📄 Markdown is supported 📄 Paste, drop, or click to add files

⬇️ Attach binaries by dropping them here or selecting them.

☐ Set as a pre-release

This release will be labeled as non-production ready

Publish release

Save draft

Tagging suggestions

It's common practice to prefix your version names with the letter v. Some good tag names might be v1.0.0 or v2.3.4.

If the tag isn't meant for production use, add a pre-release version after the version name. Some good pre-release versions might be v0.2.0-alpha or v5.9-beta.3.

Semantic versioning

If you're new to releasing software, we highly recommend to [learn more about semantic versioning](#).

A newly published release will automatically be labeled as the latest release for this repository.

If 'Set as the latest release' is unchecked, the latest release will be determined by higher semantic version and creation date. [Learn more about release settings](#).

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https://github.com/prathameshwaghvade/college-lab/releases/tag/newTag

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akhilesh596 / college-lab

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Releases / newTag

newTag

Pre-release

Compare ✎ 🗑

👤 prathameshwaghvade released this now

🔍 newTag

↔ cc5e4e1

This is a new release to publish on the branch releasev1.0 at college-lab repository...

Assets 2

📄 Source code (zip)

25 minutes ago

📄 Source code (tar.gz)

25 minutes ago

🕒

👤

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← → ↺

https://github.com/prathameshwaghvade/college-lab/branches

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Branch

Updated

Check status

Behind Ahead

Pull request

main

🕒 28 minutes ago

Default

🗑 ...

Your branches

Branch

Updated

Check status

Behind Ahead

Pull request

hotfix/bug-4

🕒 11 minutes ago

0 0

🗑 ...

releasev1.0

🕒 13 minutes ago

0 0

🗑 ...

feature

🕒 20 minutes ago

0 0

🗑 ...

develop

🕒 23 minutes ago

0 0

🗑 ...

new

🕒 3 weeks ago

5 0

#2 🗑 ...

View more branches >

Active branches

Branch

Updated

Check status

Behind Ahead

Pull request

hotfix/bug-4

🕒 11 minutes ago

0 0

🗑 ...

releasev1.0

🕒 13 minutes ago

0 0

🗑 ...

feature

🕒 20 minutes ago

0 0

🗑 ...

develop

🕒 23 minutes ago

0 0

🗑 ...

new

🕒 3 weeks ago

5 0

#2 🗑 ...

View more branches >