

GIT & GITHUB

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CLASS: AIML-C

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DATE: 28th April 2024

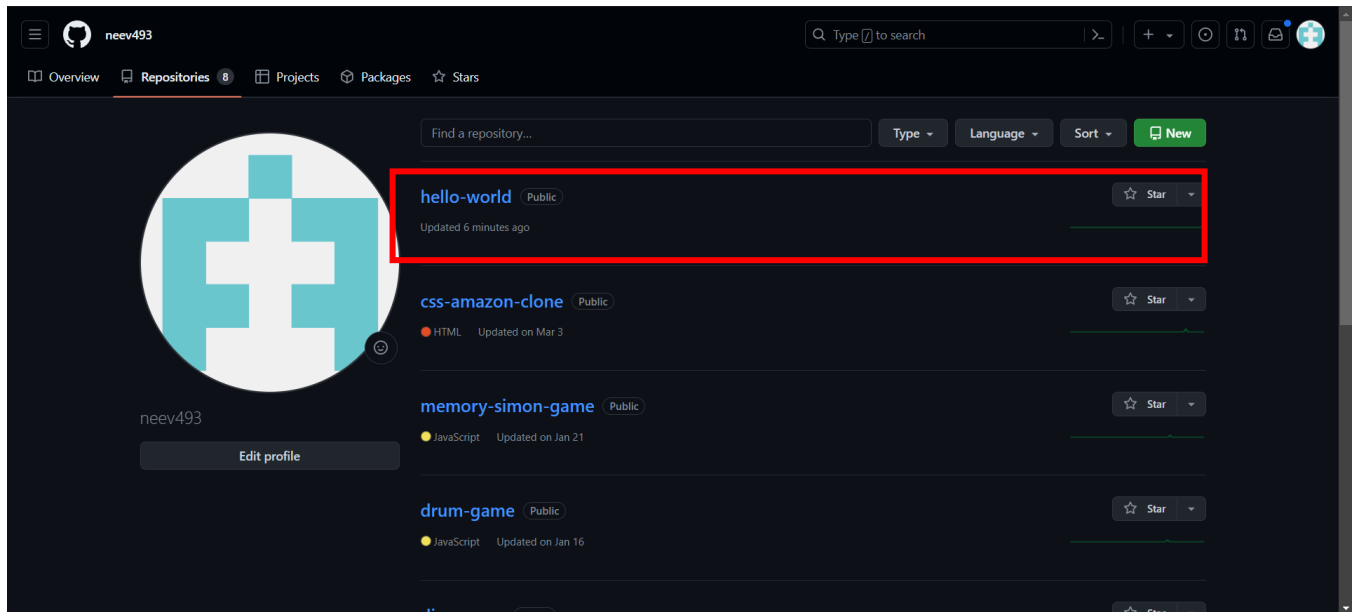
MY GITHUB PROFILE LINK:

<https://github.com/neev493>

<https://github.com/neev493/hello-world.git> (My hello-world Github repo)

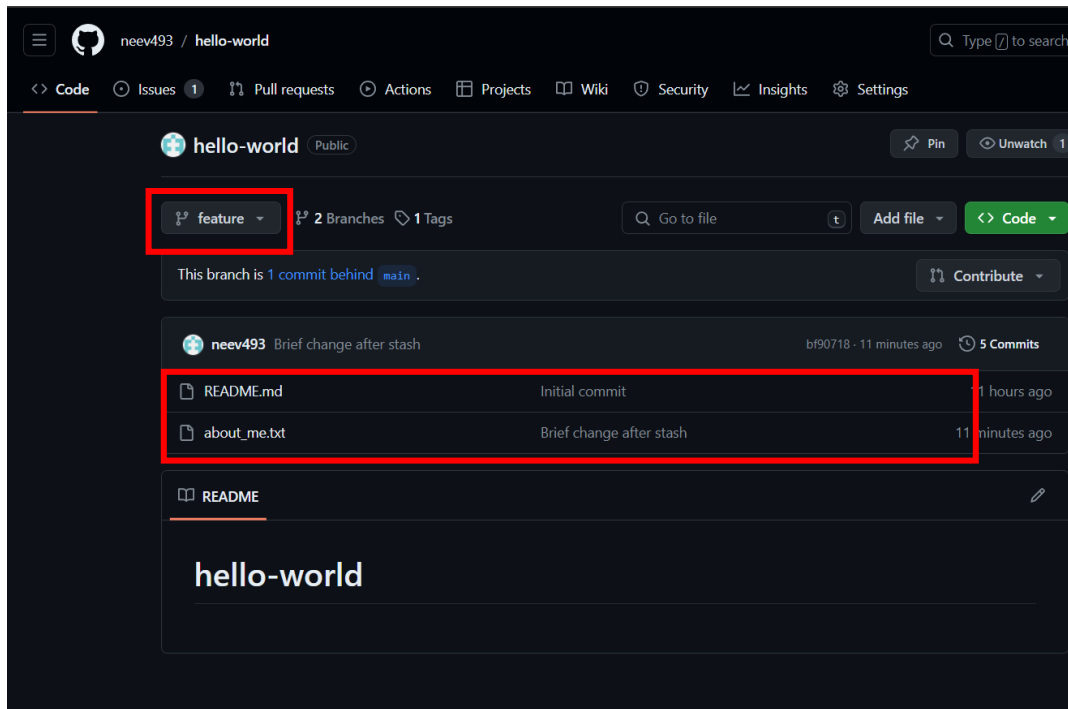
GitHub Account and Repository Setup

- Create a GitHub account and personalize your profile by adding a bio, a profile picture, and any other details you see fit.
- Start a new repository named "hello-world". Make sure to initialize it with a README file.

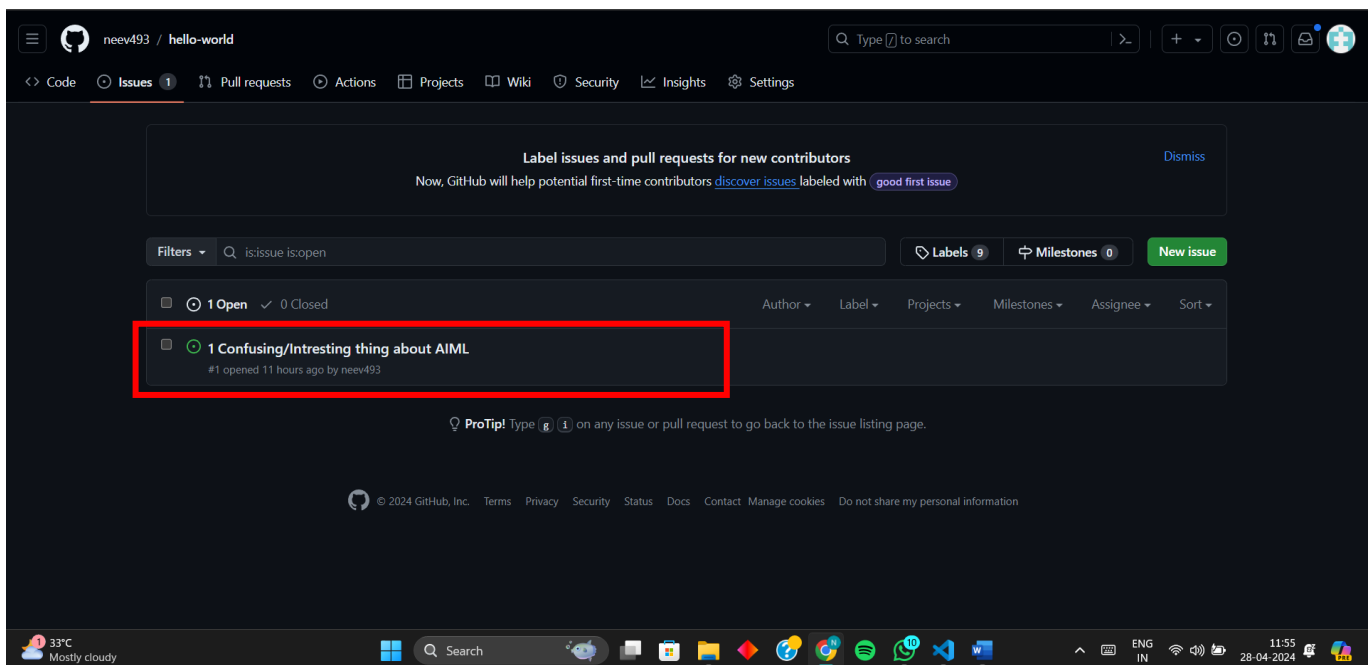


GitHub Features Exploration

- In your "hello-world" repository, create a new branch named "feature".
- Add a new file to this branch called "about_me.txt" that contains a few lines about what you are learning in this internship.

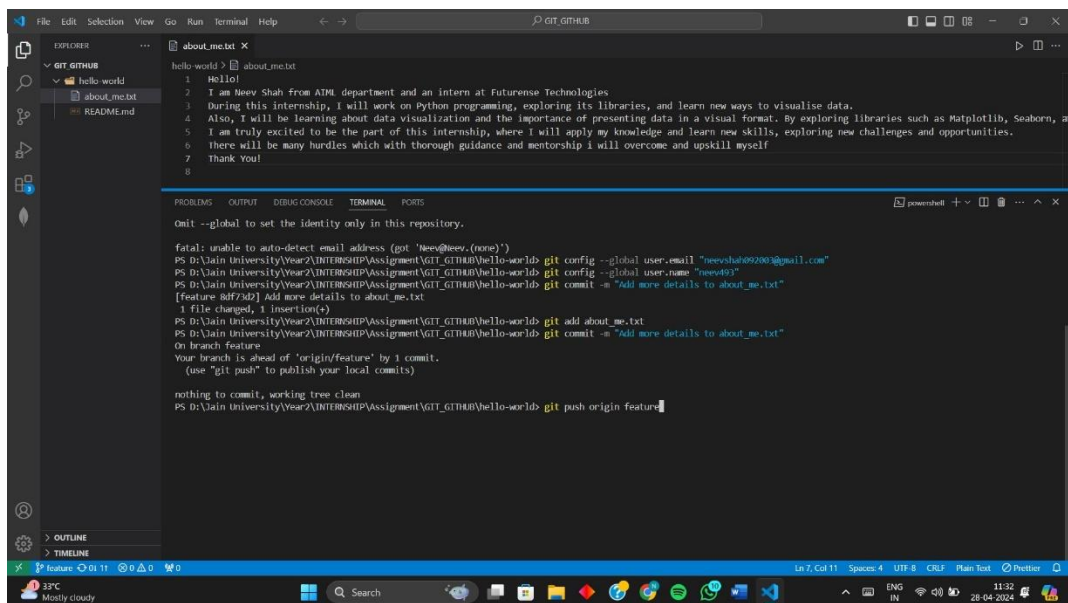


- Open an issue in your repository discussing one thing you found confusing or interesting about AIML.



Git Basics

- Clone your "hello-world" repository to your local machine.
- Make a change locally in the "about_me.txt" file by adding more details or modifying the existing text.
- Commit your changes locally and then push them to your "feature" branch on GitHub.
- Create a pull request to merge the changes from "feature" branch to the main branch on GitHub, and then merge it.
- Pull the latest changes from your GitHub repository to your local repository to ensure it is up to date.

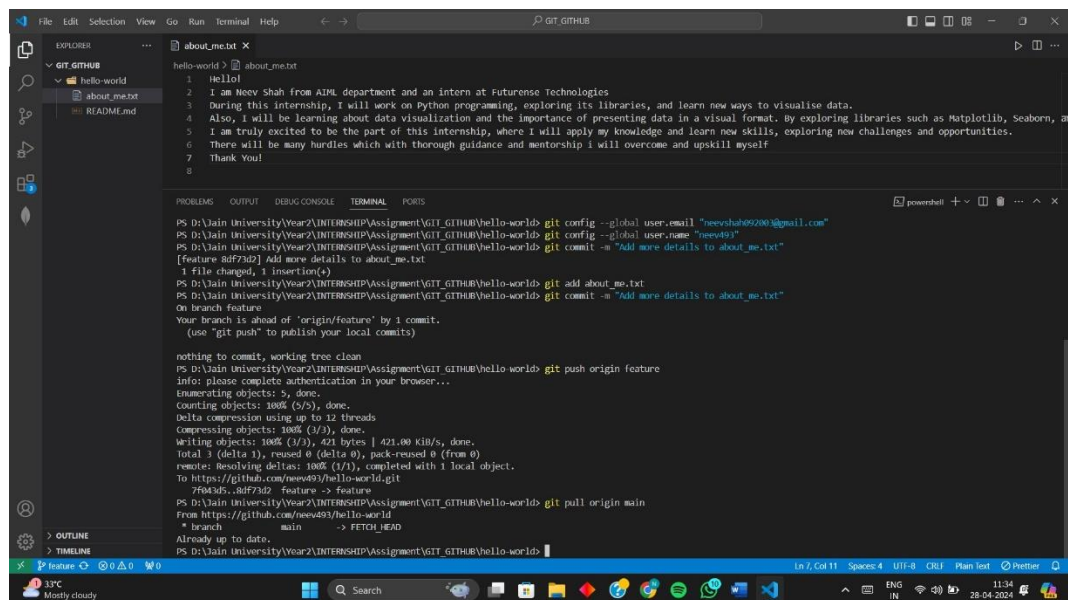


```
File Edit Selection View Go Run Terminal Help
GIT_GITHUB
about_me.txt X
hello-world > about_me.txt
1 Hello!
2 I am Neev Shah from AIML department and an intern at Futurebase Technologies
3 During this internship, I will work on Python programming, exploring its libraries, and learn new ways to visualise data.
4 Also, I will be learning about data visualization and the importance of presenting data in a visual format. By exploring libraries such as Matplotlib, Seaborn, and
5 I am truly excited to be the part of this internship, where I will apply my knowledge and learn new skills, exploring new challenges and opportunities.
6 There will be many hurdles which with thorough guidance and mentorship I will overcome and upskill myself
7 Thank You!
8

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'neev@neev.(none)')
PS D:\Jain University\Year2\INTERNSHIP\Assignment\GIT_GITHUB\hello-world> git config --global user.email "neevshah092003@gmail.com"
PS D:\Jain University\Year2\INTERNSHIP\Assignment\GIT_GITHUB\hello-world> git config --global user.name "neev493"
PS D:\Jain University\Year2\INTERNSHIP\Assignment\GIT_GITHUB\hello-world> git commit -m "Add more details to about_me.txt"
[feature 8df73d2] Add more details to about_me.txt
1 file changed, 1 insertion(+)
PS D:\Jain University\Year2\INTERNSHIP\Assignment\GIT_GITHUB\hello-world> git add about_me.txt
PS D:\Jain University\Year2\INTERNSHIP\Assignment\GIT_GITHUB\hello-world> git commit -m "Add more details to about_me.txt"
On branch feature
Your branch is ahead of 'origin/feature' by 1 commit.
(use "git push" to publish your local commits)

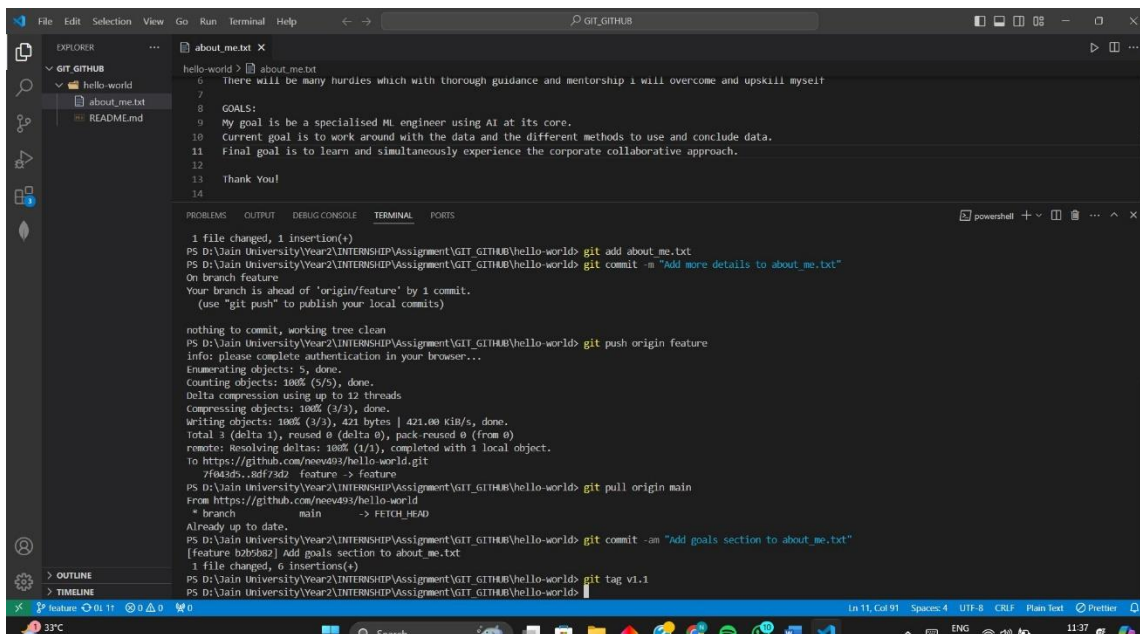
nothing to commit, working tree clean
PS D:\Jain University\Year2\INTERNSHIP\Assignment\GIT_GITHUB\hello-world> git push origin feature
```



```
PS D:\Jain University\Year2\INTERNSHIP\Assignment\GIT_GITHUB\hello-world> git push origin feature
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (1/1), done.
Writing objects: 100% (1/1), 421 bytes | 421.00 KiB/s, done.
Total 1 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/neev493/hello-world.git
 7f043d5..8df73d2 feature -> feature
PS D:\Jain University\Year2\INTERNSHIP\Assignment\GIT_GITHUB\hello-world> git pull origin main
From https://github.com/neev493/hello-world
* branch      main       -> FETCH_HEAD
Already up to date.
PS D:\Jain University\Year2\INTERNSHIP\Assignment\GIT_GITHUB\hello-world>
```

Advanced Git Features

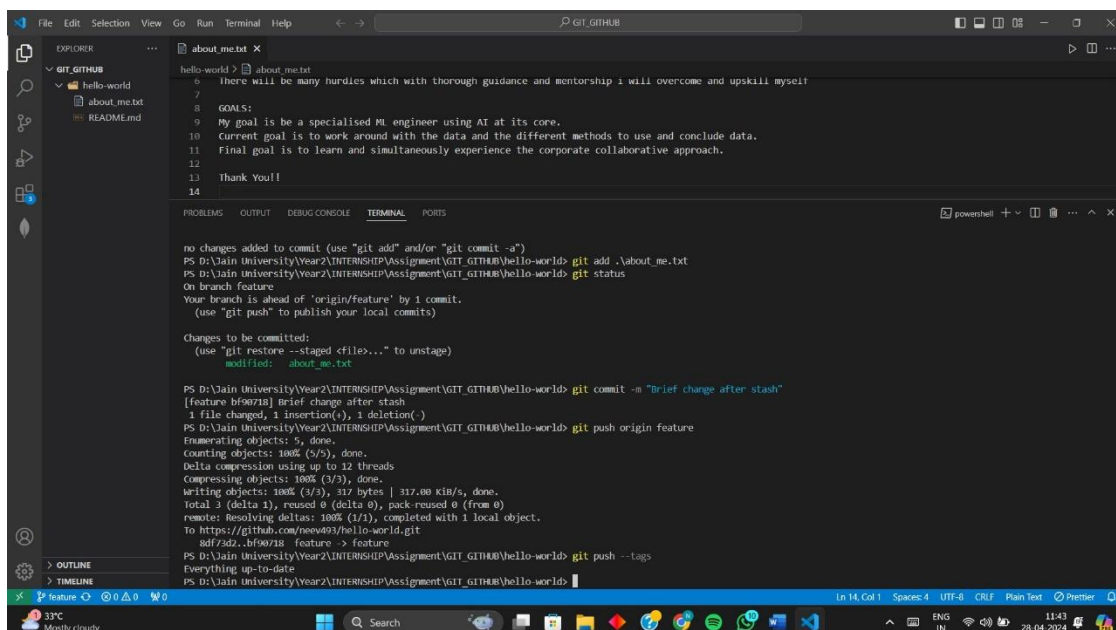
- In your local "hello-world" repository, prepare a minor release of your project. Incrementally update your "about_me.txt" to include a new section about your goals.
- Tag this new version of your project (e.g., v1.1) using Git tagging and push the tag to GitHub.
- Make some changes to "about_me.txt" but before committing, simulate a scenario where you need to switch branches to work on something else.
- Use git stash to save your uncommitted changes temporarily. Switch branches, then come back and reapply your stashed changes.



```
hello-world > about_me.txt
6 There will be many hurdles which with thorough guidance and mentorship i will overcome and upskill myself
7
8 GOALS:
9 My goal is be a specialised ML engineer using AI at its core.
10 Current goal is to work around with the data and the different methods to use and conclude data.
11 Final goal is to learn and simultaneously experience the corporate collaborative approach.
12
13 Thank You!!
14

1 file changed, 1 insertion(+)
PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world> git add about_me.txt
PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world> git commit -m "Add more details to about_me.txt"
On branch feature
Your branch is ahead of 'origin/feature' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean
PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world> git push origin feature
info: please complete authentication in your browser...
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 421 bytes | 421.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/nee493/hello-world.git
 7f0a385..add7a82 feature -> feature
PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world> git pull origin main
From https://github.com/nee493/hello-world
 * branch      main       -> FETCH_HEAD
Already up to date.
PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world> git commit -m "Add goals section to about_me.txt"
[feature bdb8ae2] Add goals section to about_me.txt
1 file changed, 6 insertions(+)
PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world> git tag v1.1
PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world>
```



```
no changes added to commit (use "git add" and/or "git commit -a")
PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world> git add .\about_me.txt
PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world> git status
On branch feature
Your branch is ahead of 'origin/feature' by 1 commit.
(use "git push" to publish your local commits)

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   about_me.txt

PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world> git commit -m "Brief change after stash"
[feature bf90712] Brief change after stash
1 file changed, 1 insertion(+), 1 deletion(-)
PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world> git push origin feature
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 317 bytes | 317.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/nee493/hello-world.git
 8df74d2..bf90712 feature -> feature
PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world> git push --tags
Everything up-to-date
PS D:\Jain University\Year2\INTERSHIP\Assignment\GIT_GITHUB\hello-world>
```