

GIT ASSIGNMENT 1

1. Create a New Repository.

Created - https://github.com/adarsh-codes/git_assignment

For local use ->

- **git remote add origin**
https://github.com/adarsh-codes/git_assignment
- **git add .**
- **git commit -m "commit-message"**
- **git push -u origin master**

2. Create a New File

Created created_file.txt

3. Create a Branch

- **git branch Branch-1**
- **(make changes)**
- **git push -u origin Branch-1**

4. Make Changes in the New Branch

- Made changes in the Branch-1 created_file.txt file.

5. Create Another Branch (Optional)

6. Merge Branches

- **git merge Branch-1**
- **git push -u origin master**

7. Pull Changes from Remote

- **git pull origin master**

8. View Git Log and History

- **git log**

```
commit 83ab9f7370f27a8ec5e0b603a88e78e9ea7f2eb5 (HEAD -> master, origin/master, origin/Branch-1, Branch-1)
Author: adarsh <adarshksingh14@gmail.com>
Date: Tue Feb 18 22:03:21 2025 +0530
```

branch1

```
commit 33816132812e378aa0349240f476cd8595580346
Author: adarsh <adarshksingh14@gmail.com>
```

```
commit 33816132812e378aa0349240f476cd8595580346
```

```
Author: adarsh <adarshksingh14@gmail.com>
```

```
Date: Tue Feb 18 21:46:33 2025 +0530
```

commit-2

```
commit 28fc8aa9e6be32605e0256b36b8b158db480e0d6
```

```
Author: adarsh <adarshksingh14@gmail.com>
```

```
Date: Tue Feb 18 21:42:32 2025 +0530
```

commit-1

```
commit c189e4e759a7fde00dda4dd907741bc1311fcbbc
```

```
Author: adarsh <adarshksingh14@gmail.com>
```

```
Date: Tue Feb 18 21:31:54 2025 +0530
```

commit1

(END)

9. Git Status and Staging

- **git add .**
Sends all the files from local to the staged area. This is known as staging.
- **git commit -m "commit-message"**
- **git push -u origin master**

10. Revert and Reset

- **git revert <commit-hash>**
- This command will revert all the changes until the commit hash commit statement. New commit is done of reversion.
- **git reset --hard <commit-hash>**
- This command will reset all changes and removes all commits between the specified commit and the HEAD. It restores the files in the working directory to the state of the specified commit.