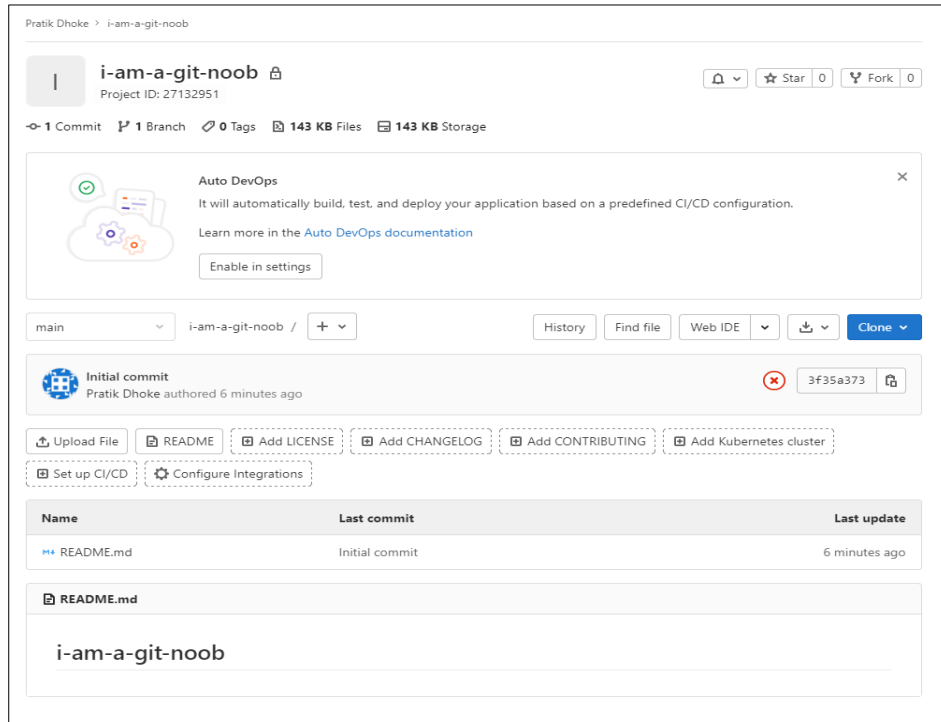


1. Create a private Gitlab repo named "i-am-a-git-noob"



2. Create a new repository on local in an empty directory

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (
master)
$ git init
Initialized empty Git repository in F:/Deqode/Deqode_Training/Day 1 Git basics/i
-am-a-git-noob/.git/

Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ ls -la
total 4
drwxr-xr-x 2 Asus Pratik 4096 Nov 15 10:15 .
drwxr-xr-x 1 Asus Pratik 4096 Nov 15 10:15 ..
-rw-r--r-- 1 Asus Pratik   28 Nov 15 10:15 .git/

Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ cd .git

Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob/.git (GIT_
DIR!)
$ ls
config  description  HEAD  hooks/  info/  objects/  refs/
```

3. Point remote of your local git repo to the newly created repo on Gitlab

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git remote add origin https://gitlab.com/dhokep/i-am-a-git-noob.git

Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git remote -v
origin  https://gitlab.com/dhokep/i-am-a-git-noob.git (fetch)
origin  https://gitlab.com/dhokep/i-am-a-git-noob.git (push)
```

4. Print current git configs on terminal

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git config --list --local
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
remote.origin.url=https://gitlab.com/dhokep/i-am-a-git-noob.git
remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
```

5. Update git config with your name and email address (only for current repository)

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git config --local user.name "Pratik Dhoke"

Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git config --local user.email "pdhoke@deqode.com"

Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git config --list --local
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.symlinks=false
core.ignorecase=true
remote.origin.url=https://gitlab.com/dhokep/i-am-a-git-noob.git
remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
user.name=Pratik Dhoke
user.email=pdhoke@deqode.com
```

6. Create a file named "test1.txt"

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ touch test1.txt

Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ ls
test1.txt
```

7. Added line with text "first line in file" in "test1.txt".

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ cat> test1.txt
first line in file
```

8. Push this file to your Gitlab repo.

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git push -u origin --all
Enumerating objects: 3, done.
Counting objects: 100% (3/3), 239 bytes | 239.00 KiB/s, done.
Writing objects: 100% (3/3), 239 bytes | 239.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://gitlab.com/dhokep/i-am-a-git-noob.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```

9. Append line with text "second line in file" in "test1.txt".

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ echo "second line in file" >>test1.txt

Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ cat test1.txt
first line in file
second line in file
```

10. Add file to the staging area.

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git add test1.txt
```

11. Check the status of the file in all staging area

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   test1.txt
```

12. Append line with text "Third line in file" in "test1.txt". (Note status of files across different areas).

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ echo "Third line in file" >> test1.txt
Your branch is up to date with 'origin/master'.
```

13. Remove "test1.txt" from the staging area.

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git reset test1.txt
Unstaged changes after reset:
M   test1.txt
Your branch is up to date with 'origin/master'.
```

14. Create commit with message "My First Commit"

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git commit -m "My First Commit"
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   test1.txt

no changes added to commit (use "git add" and/or "git commit -a")
```

15. Push commit to the remote repo

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git push -u origin master
Everything up-to-date
Branch 'master' set up to track remote branch 'master' from 'origin'.
```

16. Update message of last commit "My First Commit" to "My Second Commit"

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git commit --amend -m "My Second Commit"
[master 16d45bd] My Second Commit
Date: Thu Jun 3 16:29:19 2021 +0530
1 file changed, 1 insertion(+)

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   test1.txt

no changes added to commit (use "git add" and/or "git commit -a")
```

17. Push commit with the updated message to the remote repo

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob ((16d45bd...))
$ git push origin +master:master --force
Enumerating objects: 8, done.
Counting objects: 100% (8/8), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (6/6), 533 bytes | 266.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://gitlab.com/dhokep/i-am-a-git-noob.git
+ aca4a65...698de86 master -> master (forced update)
```

18. Check the difference between the last and second last commits.

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob ((16d45bd...))
$ git diff 0d882468 16d45bd
diff --git a/test1.txt b/test1.txt
index f581c70..c357177 100644
--- a/test1.txt
+++ b/test1.txt
@@ -1,2 @@
 first line in file
+second line in file
```

19. Revert the last commit and check the updated commit logs history.

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob ((0d88246...))
$ git revert head
Removing test1.txt
[detached HEAD b62d5be] Revert "My Second Commit"
1 file changed, 1 deletion(-)
delete mode 100644 test1.txt
```

20. Append line with text "Fourth line in file" in "test1.txt" and commit it.

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob ((0d88246...))
$ echo "Fourth line in file" >> test1.txt
```

21. Update the last commit such that the "test1.txt" also contains "Fifth line in file" (without creating a new commit)

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob ((5585ab7...))
$ echo "Fifth line in file" >> test1.txt

Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob ((5585ab7...))
$ git commit --amend -m "added fourth and fifth line in file"
[detached HEAD b216ee5] added fourth and fifth line in file
Date: Thu Jun 3 16:53:10 2021 +0530
1 file changed, 2 insertions(+)
```

22. Push the updated commits to the remote repository

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 309 bytes | 309.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://gitlab.com/dhokep/i-am-a-git-noob.git
698de86..3a35540 master -> master
```

23. Append some content in "test1.txt" file

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ echo "append some content in test1.txt" >> test1.txt
```

24. Pull all the content from remote repository to local repository

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ echo "append some content in test1.txt" >> test1.txt

Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/i-am-a-git-noob (master)
$ git pull
Already up to date.
```

25. Clone the remote repository to some other directory in your local system.

```
Asus@Pratik MINGW64 /f/Deqode/Deqode_Training/Day 1 Git basics/new repo (master)
$ git clone https://gitlab.com/dhokep/i-am-a-git-noob.git
Cloning into 'i-am-a-git-noob'...
remote: Enumerating objects: 12, done.
remote: Counting objects: 100% (12/12), done.
remote: Compressing objects: 100% (6/6), done.
remote: Total 12 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (12/12), 963 bytes | 2.00 KiB/s, done.
```