Copy of GitLab Basics

Gitlab is primiarily a GUI(graphical use interface) web platform

Ex: https://gitlab.com/rp009/python-first

username- rp009

password - priya123

- **Issues**: Track bugs and tasks
- **CI/CD**: Automate build, test, and deploy
- **Wiki**: Project documentation
- **Project Boards**: Kanban-style task tracking
- **Permissions**: Manage collaborators

1.	Create a gitlab account - https://gitlab.com/rp009/python-first
2.	Create a New Project (Repository)
3.	Install Git on Your Local Machine - sudo apt-get install git (for debian/ubuntu)

4.	Clone Your GitLab Repository . Go to your GitLab project page and copy the **HTTPS** or **SSH** URL. Ex: https://gitlab.com/rp009/python-first

```
peafowl@peafowl-OptiPlex-3060:~/gitlearning$ git clone https://gitlab.com/rp009/python-first
Cloning into 'python-first'...
Username for 'https://gitlab.com': rp009
Password for 'https://rp009@gitlab.com':
warning: redirecting to https://gitlab.com/rp009/python-first.git/
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
Unpacking objects: 100% (3/3), 2.73 KiB | 1.37 MiB/s, done.
peafowl@peafowl-OptiPlex-3060:~/gitlearning$ ls
python-first
peafowl@peafowl-OptiPlex-3060:~/gitlearning$ cd python-first/
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ ls
README.md
```

5.	Check git status From the below it showing upto date means not changes added or deleted

```
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
```

6.	Open README.md file and make any changes. then add that changed file and check the status of it.

```
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ git status
On branch main
Your branch is up to date with 'origin/main'.

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:   README.md

no changes added to commit (use "git add" and/or "git commit -a")
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ git add README.md
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ git status
On branch main
Your branch is up to date with 'origin/main'.

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

7.	Commit the changes , Here it's showing no global configuration list.

```
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ git commit -m "Readmefile modified"

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'peafowl@peafowl-OptiPlex-3060.(none)')
```

8.	Give the user email and name as per below and then commit . Check the commit is done or not.

```
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ git config --global user.email "rp009"
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ git config --global user.name "priya123"
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ git commit -m "Readmefile modified"
[main 7408566] Readmefile modified
 1 file changed, 1 insertion(+), 1 deletion(-)
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ git log
commit 7408566988e70faf8bdab9e9e19cbabc6b5ffd81 (HEAD -> main)
Author: priya123 <rp009>
Date:   Mon Sep 15 10:59:12 2025 +0530

    Readmefile modified

commit 3e685901630411777b317127509f9fcd21592688 (origin/main, origin/HEAD)
Author: lakshmi priya <lp305729@gmail.com>
Date:   Tue Sep 9 10:37:02 2025 +0000

    Initial commit
```

9.	check config list.

```
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ git config --global --list
user.email=rp009
user.name=priya123
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ 
```

10.	Push Changes to GitLab and take if want pull (same command we use instead of push use pull)

```
peafowl@peafowl-OptiPlex-3060:~/gitlearning/python-first$ git push origin
Username for 'https://gitlab.com': rp009
Password for 'https://rp009@gitlab.com':
warning: redirecting to https://gitlab.com/rp009/python-first.git/
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 12 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 295 bytes | 295.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
To https://gitlab.com/rp009/python-first
   3e68590..7408566  main -> main
```

11.	At last after push in gitlab URL

python-first

[+ ▾] [Find file] [Code ▾] [⋮]

Readmefile modified
priya123 authored 26 minutes ago

74885669 [⎘] [History]

Name	Last commit	Last update
M↓ README.md	Readmefile modified	26 minutes ago

📄 README.md

click the press on readmefile modified and check the deleted / added changes.

README file changes -1

○ parent 74885669

ᛦ Branches [main]

⊏⊐ No related tags found

⋈ No related merge requests found

Changes ①

Showing **1 changed file** ▾ with **4 additions** and **0 deletions**   [Hide whitespace changes] [Inline] [Side-by-side]

∨ 📄 README.md ⎘   +4 −0 [💬] [View file @ 8c6c7a71]

```
...    ...    @@ -2,6 +2,10 @@
 2      2
 3      3
 4      4      ## lakshmipriya
        5    + ##
        6    + ##
        7    + ##
        8    + ## lakshman,poojitha
 5      9      ## Getting started
 6      10
 7      11     To make it easy for you to get started with GitLab, here's a list of recommended next steps.
...    ...
```