```
$ git branch
  GitNewBranch
* master

aaith@MOULI MINGW64 ~ (master)
$ git checkout GitNewBranch
Switched to branch 'GitNewBranch'

aaith@MOULI MINGW64 ~ (GitNewBranch)
$ echo "File for GitNewBranch" > file_branch.txt

aaith@MOULI MINGW64 ~ (GitNewBranch)
$ git add file_branch.txt
warning: in the working copy of 'file_branch.txt', LF will be replaced by CRLF t
he next time Git touches it

aaith@MOULI MINGW64 ~ (GitNewBranch)
$ git commit -m "Added file_branch.txt to GitNewBranch"
[GitNewBranch 62a5bb7] Added file_branch.txt to GitNewBranch
 1 file changed, 1 insertion(+)
 create mode 100644 file_branch.txt

aaith@MOULI MINGW64 ~ (GitNewBranch)
$ git status
warning: could not open directory 'Application Data/': Permission denied
warning: could not open directory 'Cookies/': Permission denied
warning: could not open directory 'Documents/My Music/': Permission denied
warning: could not open directory 'Documents/My Pictures/': Permission denied
warning: could not open directory 'Documents/My Videos/': Permission denied
warning: could not open directory 'Local Settings/': Permission denied
warning: could not open directory 'My Documents/': Permission denied
warning: could not open directory 'NetHood/': Permission denied
warning: could not open directory 'PrintHood/': Permission denied
warning: could not open directory 'Recent/': Permission denied
warning: could not open directory 'SendTo/': Permission denied
warning: could not open directory 'Start Menu/': Permission denied
warning: could not open directory 'Templates/': Permission denied
On branch GitNewBranch
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .arduinoIDE/
        .bash_history
        .bash_profile
        .bashrc
        .bito/
        .cache/
        .codegpt/
        .config/
        .docker/
        .dotnet/
        .gitconfig
        .gradle/
        .idlerc/
        .ipython/
        .keras/
        .lesshst
        .m2/
        .matplotlib/
        .ollama/
        .packettracer
        .phvm/
```

```
        .bash_profile
        .bashrc
        .bito/
        .cache/
        .codegpt/
        .config/
        .docker/
        .dotnet/
        .gitconfig
        .gradle/
        .idlerc/
        .ipython/
        .keras/
        .lesshst
        .m2/
        .matplotlib/
        .ollama/
        .packettracer
        .phvm/
        .quokka/
        .redhat/
        .ssh/
        .streamlit/
        .th-client/
        .vscode/
        01 chatgpt simple
        02 chatgpt chat assistant copy.py
        03 chatgpt chat assistant website.py
        AppData/
        Cisco Packet Tracer 8.2.2/
        Contacts/
        Desktop/
        Downloads/
        Favorites/
        GitDemo/
        LeetCode-CodeChallenges/
        Links/
        Microsoft/
        Music/
        NTUSER.DAT
        NTUSER.DAT{2ad838bc-efea-11ee-a54d-000d3a94eaa1}.TM.blf
        NTUSER.DAT{2ad838bc-efea-11ee-a54d-000d3a94eaa1}.TMContainer000000000000
0000001.regtrans-ms
        NTUSER.DAT{2ad838bc-efea-11ee-a54d-000d3a94eaa1}.TMContainer000000000000
0000002.regtrans-ms
        OneDrive/
        Oracle/
        Saved Games/
        Searches/
        Videos/
        VoxEdit/
        WPS Cloud Files/
        ai-cookbook/
        awesome-ai-apps-and-agents/
        battery-report.html
        cd
        certies/
        gradunity/
        home.png
        machine_learning
        machine_learning.pub
```

```
           version

nothing added to commit but untracked files present (use "git add" to track)

aaith@MOULI MINGW64 ~ (GitNewBranch)
$ git checkout master
Switched to branch 'master'

aaith@MOULI MINGW64 ~ (master)
$ git diff master GitNewBranch
diff --git a/file_branch.txt b/file_branch.txt
new file mode 100644
index 0000000..7fe4776
--- /dev/null
+++ b/file_branch.txt
@@ -0,0 +1 @@
+File for GitNewBranch

aaith@MOULI MINGW64 ~ (master)
$ git config --global diff.tool p4merge

aaith@MOULI MINGW64 ~ (master)
$ git config --global difftool.prompt false

aaith@MOULI MINGW64 ~ (master)
$ git difftool master GitNewBranch
The diff tool p4merge is not available as 'p4merge'
fatal: external diff died, stopping at file_branch.txt

aaith@MOULI MINGW64 ~ (master)
$ git merge GitNewBranch
Updating f26cffc..62a5bb7
Fast-forward
 file_branch.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 file_branch.txt

aaith@MOULI MINGW64 ~ (master)
$ git log --oneline --graph --decorate
* 62a5bb7 (HEAD -> master, GitNewBranch) Added file_branch.txt to GitNewBranch
* f26cffc  commit and push

aaith@MOULI MINGW64 ~ (master)
$ git branch -d GitNewBranch
Deleted branch GitNewBranch (was 62a5bb7).

aaith@MOULI MINGW64 ~ (master)
$ git status
warning: could not open directory 'Application Data/': Permission denied
warning: could not open directory 'Cookies/': Permission denied
warning: could not open directory 'Documents/My Music/': Permission denied
warning: could not open directory 'Documents/My Pictures/': Permission denied
warning: could not open directory 'Documents/My Videos/': Permission denied
warning: could not open directory 'Local Settings/': Permission denied
warning: could not open directory 'My Documents/': Permission denied
warning: could not open directory 'NetHood/': Permission denied
warning: could not open directory 'PrintHood/': Permission denied
warning: could not open directory 'Recent/': Permission denied
warning: could not open directory 'SendTo/': Permission denied
warning: could not open directory 'Start Menu/': Permission denied
warning: could not open directory 'Templates/': Permission denied
```

```
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .arduinoIDE/
        .bash_history
        .bash_profile
        .bashrc
        .bito/
        .cache/
        .codegpt/
        .config/
        .docker/
        .dotnet/
        .gitconfig
        .gradle/
        .idlerc/
        .ipython/
        .keras/
        .lesshst
        .m2/
        .matplotlib/
        .ollama/
        .packettracer
        .phvm/
        .quokka/
        .redhat/
        .ssh/
        .streamlit/
        .th-client/
        .vscode/
        01 chatgpt simple
        02 chatgpt chat assistant copy.py
        03 chatgpt chat assistant website.py
        AppData/
        Cisco Packet Tracer 8.2.2/
        Contacts/
        Desktop/
        Downloads/
        Favorites/
        GitDemo/
        LeetCode-CodeChallenges/
        Links/
        Microsoft/
        Music/
        NTUSER.DAT
        NTUSER.DAT{2ad838bc-efea-11ee-a54d-000d3a94eaa1}.TM.blf
        NTUSER.DAT{2ad838bc-efea-11ee-a54d-000d3a94eaa1}.TMContainer000000000000
00000001.regtrans-ms
        NTUSER.DAT{2ad838bc-efea-11ee-a54d-000d3a94eaa1}.TMContainer000000000000
00000002.regtrans-ms
        OneDrive/
        Oracle/
        Saved Games/
        Searches/
        Videos/
        VoxEdit/
        WPS Cloud Files/
        ai-cookbook/
        awesome-ai-apps-and-agents/
        battery-report.html
        cd
        certies/
```

```
nothing added to commit but untracked files present (use "git add" to track)

aaith@MOULI MINGW64 ~ (master)
$ git remote add origin https://gitlab.com/aaithi-group/aaithi-project.git

aaith@MOULI MINGW64 ~ (master)
$ git push -u origin GitNewBranch
error: src refspec GitNewBranch does not match any
error: failed to push some refs to 'https://gitlab.com/aaithi-group/aaithi-proje
ct.git'

aaith@MOULI MINGW64 ~ (master)
$ git remote -v
origin  https://gitlab.com/aaithi-group/aaithi-project.git (fetch)
origin  https://gitlab.com/aaithi-group/aaithi-project.git (push)

aaith@MOULI MINGW64 ~ (master)
$ git push -u origin GitNewBranch
error: src refspec GitNewBranch does not match any
error: failed to push some refs to 'https://gitlab.com/aaithi-group/aaithi-proje
ct.git'

aaith@MOULI MINGW64 ~ (master)
$ ^C

aaith@MOULI MINGW64 ~ (master)
$ git checkout master
Already on 'master'

aaith@MOULI MINGW64 ~ (master)
$ git checkout -b GitnewBranch
Switched to a new branch 'GitnewBranch'

aaith@MOULI MINGW64 ~ (GitnewBranch)
$ echo "This is a new feature branch" > demo.txt

aaith@MOULI MINGW64 ~ (GitnewBranch)
$ git add demo.txt
warning: in the working copy of 'demo.txt', LF will be replaced by CRLF the next
 time Git touches it

aaith@MOULI MINGW64 ~ (GitnewBranch)
$ git commit -m " Add demo.txt on Gitnewbranch"
[GitnewBranch f81038c]  Add demo.txt on Gitnewbranch
 1 file changed, 1 insertion(+)
 create mode 100644 demo.txt

aaith@MOULI MINGW64 ~ (GitnewBranch)
$ git push -u origin GitnewBranch
Enumerating objects: 9, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 12 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (9/9), 854 bytes | 854.00 KiB/s, done.
Total 9 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for GitnewBranch, visit:
remote:   https://gitlab.com/aaithi-group/aaithi-project/-/merge_requests/new?me
rge_request%5Bsource_branch%5D=GitnewBranch
remote:
```

```
Total 9 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for GitnewBranch, visit:
remote:   https://gitlab.com/aaithi-group/aaithi-project/-/merge_requests/new?me
rge_request%5Bsource_branch%5D=GitnewBranch
remote:
To https://gitlab.com/aaithi-group/aaithi-project.git
 * [new branch]      GitnewBranch -> GitnewBranch
branch 'GitnewBranch' set up to track 'origin/GitnewBranch'.

aaith@MOULI MINGW64 ~ (GitnewBranch)
$ git checkout master
Switched to branch 'master'

aaith@MOULI MINGW64 ~ (master)
$ git pull origin master
fatal: couldn't find remote ref master

aaith@MOULI MINGW64 ~ (master)
$ git merger GitnewBranch
git: 'merger' is not a git command. See 'git --help'.

The most similar command is
        merge

aaith@MOULI MINGW64 ~ (master)
$ git merge GitnewBranch
Updating 62a5bb7..f81038c
Fast-forward
 demo.txt | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 demo.txt

aaith@MOULI MINGW64 ~ (master)
$ git push origin master
Total 0 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: To create a merge request for master, visit:
remote:   https://gitlab.com/aaithi-group/aaithi-project/-/merge_requests/new?me
rge_request%5Bsource_branch%5D=master
remote:
To https://gitlab.com/aaithi-group/aaithi-project.git
 * [new branch]      master -> master

aaith@MOULI MINGW64 ~ (master)
$ git push origin --delete GitnewBranch
To https://gitlab.com/aaithi-group/aaithi-project.git
 - [deleted]         GitnewBranch

aaith@MOULI MINGW64 ~ (master)
$ git log --oneline --graph --decorate
* f81038c (HEAD -> master, origin/master, GitnewBranch)  Add demo.txt on Gitnewb
ranch
* 62a5bb7 Added file_branch.txt to GitNewBranch
* f26cffc  commit and push

aaith@MOULI MINGW64 ~ (master)
$ git branch -d GitnewBranch
Deleted branch GitnewBranch (was f81038c).

aaith@MOULI MINGW64 ~ (master)
```

```
ct.git'

aaith@WOULI MINGW64 ~ (master)
$ git status
warning: could not open directory 'Application Data/': Permission denied
warning: could not open directory 'Cookies/': Permission denied
warning: could not open directory 'Documents/My Music/': Permission denied
warning: could not open directory 'Documents/My Pictures/': Permission denied
warning: could not open directory 'Documents/My Videos/': Permission denied
warning: could not open directory 'Local Settings/': Permission denied
warning: could not open directory 'My Documents/': Permission denied
warning: could not open directory 'NetHood/': Permission denied
warning: could not open directory 'PrintHood/': Permission denied
warning: could not open directory 'Recent/': Permission denied
warning: could not open directory 'SendTo/': Permission denied
warning: could not open directory 'Start Menu/': Permission denied
warning: could not open directory 'Templates/': Permission denied
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .arduinoIDE/
        .bash_history
        .bash_profile
        .bashrc
        .bito/
        .cache/
        .codegpt/
        .config/
        .docker/
        .dotnet/
        .gitconfig
        .gradle/
        .idlerc/
        .ipython/
        .keras/
        .lesshst
        .m2/
        VoxEdit/
        WPS Cloud Files/
        ai-cookbook/
        awesome-ai-apps-and-agents/
        battery-report.html
        cd
        certies/
        gradunity/
        home.png
        machine_learning
        machine_learning.pub
        mkdir
        ntuser.dat.LOG1
        ntuser.dat.LOG2
        ntuser.ini
        player.py
        projects/
        py
        skill vetex.ipynb
        v1.txt
        version

nothing added to commit but untracked files present (use "git add" to track)
```