

Git-Lab1

```
Windows PowerShell
PS C:\Users\Raghad Alharbi\Desktop> mkdir git-test

Directory: C:\Users\Raghad Alharbi\Desktop

Mode                LastWriteTime         Length Name
----                -
d-----          4/29/2024   7:56 PM             git-test

PS C:\Users\Raghad Alharbi\Desktop> cd git-test
PS C:\Users\Raghad Alharbi\Desktop\git-test> mkdir test01

Directory: C:\Users\Raghad Alharbi\Desktop\git-test

Mode                LastWriteTime         Length Name
----                -
d-----          4/29/2024   7:58 PM             test01
```

```
Windows PowerShell
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> New-Item -ItemType file -Name "first.txt"

Directory: C:\Users\Raghad Alharbi\Desktop\git-test\test01

Mode                LastWriteTime         Length Name
----                -
-a-----          4/29/2024  18:17 PM             0 first.txt

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git commit -m "New file"
On branch main

Initial commit

Untracked files:
  (use "git add <file>..." to include in what will be committed)
      first.txt

nothing added to commit but untracked files present (use "git add" to track)
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> New-Item -ItemType file -Name "second.txt"

Directory: C:\Users\Raghad Alharbi\Desktop\git-test\test01
```

```
Windows PowerShell

Mode                LastWriteTime         Length Name
----                -
-a-----          4/29/2024  18:29 PM             0 second.txt

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> New-Item -ItemType file -Name "third.txt"

Directory: C:\Users\Raghad Alharbi\Desktop\git-test\test01

Mode                LastWriteTime         Length Name
----                -
-a-----          4/29/2024  18:33 PM             0 third.txt

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> New-Item -ItemType file -Name "fourth.txt"

Directory: C:\Users\Raghad Alharbi\Desktop\git-test\test01

Mode                LastWriteTime         Length Name
----                -
-a-----          4/29/2024  18:34 PM             0 fourth.txt
```

```
Windows PowerShell

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   third.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        first.txt
        fourth.txt
        second.txt

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git add fourth.txt
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   fourth.txt
        new file:   third.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
```

```
Windows PowerShell

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git add fourth.txt
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git status
On branch main

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
        new file:   fourth.txt
        new file:   third.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        first.txt
        second.txt

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git commit -m "New file"
[main (root-commit) b676ad6] New file
 2 files changed, 8 insertions(+), 0 deletions(-)
 create mode 100644 fourth.txt
 create mode 100644 third.txt
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git log
commit b676ad698ab1bd8739dd7efbf232a3dff5065a5a (HEAD -> main)
Author: Raghad Alharbi <Raghad.alharbi@2@gmail.com>
Date:   Mon Apr 29 22:39:18 2024 +0300

    New file

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01>
```

Git-Lab2

```
Windows PowerShell
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git branch
* main
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git branch new-feature
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git branch
* main
  new-feature
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git checkout
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git branch
* main
  new-feature
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git checkout new-feature
Switched to branch 'new-feature'
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git branch
  main
* new-feature
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> New-Item -ItemType file -Name "lab02.txt"

Directory: C:\Users\Raghad Alharbi\Desktop\git-test\test01

Mode                LastWriteTime         Length Name
----                -
-a-----         4/29/2024  11:04 PM              0 lab02.txt

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git add lab02.txt
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git commit -m "New file"
```

```
Windows PowerShell
[new-feature b8638d8] New file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 lab02.txt
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git checkout main
Switched to branch 'main'
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> ls

Directory: C:\Users\Raghad Alharbi\Desktop\git-test\test01

Mode                LastWriteTime         Length Name
----                -
-a-----         4/29/2024  10:17 PM              0 first.txt
-a-----         4/29/2024  10:34 PM              0 fourth.txt
-a-----         4/29/2024  10:29 PM              0 second.txt
-a-----         4/29/2024  10:33 PM              0 third.txt

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git merge new-feature
Updating b676ad6..b8638d8
Fast-forward
 lab02.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 lab02.txt
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> ls
```

```
Windows PowerShell
- A----- 4/29/2024 10:17 PM 0 first.txt
- A----- 4/29/2024 10:34 PM 0 fourth.txt
- A----- 4/29/2024 10:29 PM 0 second.txt
- A----- 4/29/2024 10:33 PM 0 third.txt

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git merge new-feature
Updating b676ad6..b6038d8
Fast-forward
 lab02.txt | 0
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 lab02.txt
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> ls

Directory: C:\Users\Raghad Alharbi\Desktop\git-test\test01

Mode                LastWriteTime         Length Name
----                -
- A----- 4/29/2024 10:17 PM             0 first.txt
- A----- 4/29/2024 10:34 PM             0 fourth.txt
- A----- 4/29/2024 11:18 PM             0 lab02.txt
- A----- 4/29/2024 10:29 PM             0 second.txt
- A----- 4/29/2024 10:33 PM             0 third.txt

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> |
```

Git-Lab3

```
Windows PowerShell

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git remote -v
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git remote
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git remotr -v
git: 'remotr' is not a git command. See 'git --help'.

The most similar command is
remote
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git remote add origin https://github.com/Rag02/test.git
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git remotr -v
git: 'remotr' is not a git command. See 'git --help'.

The most similar command is
remote
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git remote -v
origin https://github.com/Rag02/test.git (fetch)
origin https://github.com/Rag02/test.git (push)
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git push
fatal: The current branch main has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin main

To have this happen automatically for branches without a tracking
upstream, see 'push.autoSetupRemote' in 'git help config'.

PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git push --set-upstream origin main
To https://github.com/Rag02/test.git
! [rejected]        main -> main (fetch first)
```

```
Windows PowerShell
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git push --set-upstream origin main
To https://github.com/Rag02/test.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/Rag02/test.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git pull origin main
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 863 bytes | 123.00 KiB/s, done.
From https://github.com/Rag02/test
 * branch            main       -> FETCH_HEAD
 * [new branch]       main       -> origin/main
fatal: refusing to merge unrelated histories
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git push origin main
To https://github.com/Rag02/test.git
! [rejected]        main -> main (non-fast-forward)
error: failed to push some refs to 'https://github.com/Rag02/test.git'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. Integrate the remote changes (e.g.
hint: 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git add .
```

```
Windows PowerShell
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git push --set-upstream origin main
To https://github.com/Rag02/test.git
! [rejected]        main -> main (fetch first)
error: failed to push some refs to 'https://github.com/Rag02/test.git'
hint: Updates were rejected because the remote contains work that you do
hint: not have locally. This is usually caused by another repository pushing
hint: to the same ref. You may want to first integrate the remote changes
hint: (e.g., 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git pull origin main
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 863 bytes | 123.00 KiB/s, done.
From https://github.com/Rag02/test
 * branch            main       -> FETCH_HEAD
 * [new branch]       main       -> origin/main
fatal: refusing to merge unrelated histories
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git push origin main
To https://github.com/Rag02/test.git
! [rejected]        main -> main (non-fast-forward)
error: failed to push some refs to 'https://github.com/Rag02/test.git'
hint: Updates were rejected because the tip of your current branch is behind
hint: its remote counterpart. Integrate the remote changes (e.g.
hint: 'git pull ...') before pushing again.
hint: See the 'Note about fast-forwards' in 'git push --help' for details.
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git add .
PS C:\Users\Raghad Alharbi\Desktop\git-test\test01> git commit -m "new push"
```