# GIT Practice-2

## Connecting a Remote Repository

```
                                        ■ Task-2-Git-Practice-Remote-Repos    ⑂master ↕ ☇ ?1
Abdul.Rahman  ›   git remote add origin https://github.com/afk-Legacy/Deep-Learning-BWF-Abdul-Rahman.git
                                        ■ Task-2-Git-Practice-Remote-Repos    ↻ ⑂master ↕ ☇ ?1
Abdul.Rahman  ›   git remote -v
origin  https://github.com/afk-Legacy/Deep-Learning-BWF-Abdul-Rahman.git (fetch)
origin  https://github.com/afk-Legacy/Deep-Learning-BWF-Abdul-Rahman.git (push)
                                        ■ Task-2-Git-Practice-Remote-Repos    ↻ ⑂master ↕ ☇ ?1
190ms   Abdul.Rahman  ›
```

## Inspecting Remote Data

```
                                                    ■ Task-2-Git-Practice-Remote-Repos    ↻ ⑂main ≡
198ms   Abdul.Rahman  ›   git remote update
From https://github.com/afk-Legacy/Deep-Learning-BWF-Abdul-Rahman
 * [new branch]       test-branch -> origin/test-branch
                                                    ■ Task-2-Git-Practice-Remote-Repos    ↻ ⑂main ≡
2.96s   Abdul.Rahman  ›   git branch -va
* main                      7bc1487 Add main.html
  remotes/origin/main       7bc1487 Add main.html
  remotes/origin/test-branch 7bc1487 Add main.html
```

### Switching to remote repo

```
HEAD is now at 7bc1487 Add main.html
                                        ■ Task-2-Git-Practice-Remote-Repos    ↻ ⑂detached at ◇7bc1487 ↕
212ms   Abdul.Rahman  ›   git checkout origin/test-branch
HEAD is now at 7bc1487 Add main.html
                                        ■ Task-2-Git-Practice-Remote-Repos    ↻ ⑂detached at ◇7bc1487 ↕
201ms   Abdul.Rahman  ›   git branch -va
* (HEAD detached at origin/test-branch) 7bc1487 Add main.html
  main                      7bc1487 Add main.html
  test-branch               7bc1487 Add main.html
  remotes/origin/main       7bc1487 Add main.html
  remotes/origin/test-branch 7bc1487 Add main.html
                                        ■ Task-2-Git-Practice-Remote-Repos    ↻ ⑂detached at ◇7bc1487 ↕
```

### Committing to new branch

```
                                        ■ Task-2-Git-Practice-Remote-Repos    ↻ ⑂detached at ◇7bc1487 ↕
Abdul.Rahman  ›   git status
HEAD detached at origin/test-branch
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:   main.html

no changes added to commit (use "git add" and/or "git commit -a")
                                        ■ Task-2-Git-Practice-Remote-Repos    ↻ ⑂detached at ◇7bc1487 ↕ ☇ ~1
200ms   Abdul.Rahman  ›   git add main.html
                                        ■ Task-2-Git-Practice-Remote-Repos    ↻ ⑂detached at ◇7bc1487 ↕ ☑ ~1
246ms   Abdul.Rahman  ›   git commit -m "Modify main.html"
[detached HEAD b0b5831] Modify main.html
 1 file changed, 1 insertion(+)
                                        ■ Task-2-Git-Practice-Remote-Repos    ↻ ⑂detached at ◇b0b5831 ↕
417ms   Abdul.Rahman  ›
```

## Pushing to the Remote Branch

```
                                        ■ Task-2-Git-Practice-Remote-Repos        ↻ ⑂detached at ⬥b0b5831 ♯
  187ms    Abdul.Rahman ›   git push origin HEAD:test-branch
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), 330 bytes | 330.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/afk-Legacy/Deep-Learning-BWF-Abdul-Rahman.git
   7bc1487..b0b5831  HEAD -> test-branch
                                        ■ Task-2-Git-Practice-Remote-Repos        ↻ ⑂detached at ⬥b0b5831 ♯
  3.376s    Abdul.Rahman ›
```

## Fetching from Remote Branch

```
                                        ■ Task-2-Git-Practice-Remote-Repos        ↻ ⑂detached at ⬥b0b5831 ♯
  3.376s    Abdul.Rahman ›   git fetch origin
                                        ■ Task-2-Git-Practice-Remote-Repos        ↻ ⑂detached at ⬥b0b5831 ♯
  2.911s    Abdul.Rahman ›   git log origin/test-branch
commit b0b5831ab5bae427f5aaa11ec0882ae4bd0c114b (HEAD, origin/test-branch)
Author: afk-Legacy <abdul.rahman100230@gmail.com>
Date:   Thu Mar 16 10:43:34 2023 +0500

    Modify main.html

commit 7bc14875c4fe460f2f76779e5f938373c939613b (origin/main, test-branch, main)
Author: afk-Legacy <abdul.rahman100230@gmail.com>
Date:   Thu Mar 16 09:48:55 2023 +0500

    Add main.html
                                        ■ Task-2-Git-Practice-Remote-Repos        ↻ ⑂detached at ⬥b0b5831 ♯
  Abdul.Rahman ›
```

## Publishing Local Branch

```
                                       ■ Task-2-Git-Practice-Remote-Repos      ↻ ⑂local-branch ♯
  153ms    Abdul.Rahman ›   git push -u origin local-branch
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 379 bytes | 379.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'local-branch' on GitHub by visiting:
remote:      https://github.com/afk-Legacy/Deep-Learning-BWF-Abdul-Rahman/pull/new/local-branch
remote:
To https://github.com/afk-Legacy/Deep-Learning-BWF-Abdul-Rahman.git
 * [new branch]      local-branch -> local-branch
branch 'local-branch' set up to track 'origin/local-branch'.
                                       ■ Task-2-Git-Practice-Remote-Repos      ↻ ⑂local-branch ≡
  3.351s    Abdul.Rahman ›   |
```

## Deleting Remote Branch

```
                                       ■ Task-2-Git-Practice-Remote-Repos      ↻ ⑂local-branch ≡
  161ms    Abdul.Rahman ›   git branch -vva
* local-branch                  7a4c352 [origin/local-branch] Add local.html
  main                          7bc1487 [origin/main] Add main.html
  r                             7a4c352 [origin/r] Add local.html
  remove                        b0b5831 Modify main.html
  test-branch                   7bc1487 [origin/test-branch: behind 1] Add main.html
  remotes/origin/local-branch   7a4c352 Add local.html
  remotes/origin/main           7bc1487 Add main.html
  remotes/origin/r              7a4c352 Add local.html
  remotes/origin/test-branch    b0b5831 Modify main.html
                                       ■ Task-2-Git-Practice-Remote-Repos      ↻ ⑂local-branch ≡
  190ms    Abdul.Rahman ›   git branch -dr origin/r
Deleted remote-tracking branch origin/r (was 7a4c352).
                                       ■ Task-2-Git-Practice-Remote-Repos      ↻ ⑂local-branch ≡
  208ms    Abdul.Rahman ›   git branch -vva
* local-branch                  7a4c352 [origin/local-branch] Add local.html
  main                          7bc1487 [origin/main] Add main.html
  r                             7a4c352 [origin/r: gone] Add local.html
  remove                        b0b5831 Modify main.html
  test-branch                   7bc1487 [origin/test-branch: behind 1] Add main.html
  remotes/origin/local-branch   7a4c352 Add local.html
  remotes/origin/main           7bc1487 Add main.html
  remotes/origin/test-branch    b0b5831 Modify main.html
                                       ■ Task-2-Git-Practice-Remote-Repos      ↻ ⑂local-branch ≡
  Abdul.Rahman ›
```