

## 2. Git - HOL

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### 1) Exercise 2: log folder

**Solution:**

```
MINGW64:/c/Users/mohan/GitDemo
mohan@mohanapriya MINGW64 ~ (master)
$ cd ~/GitDemo

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ pwd
/c/Users/mohan/GitDemo

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ ls -a
./ ../ .git/ .gitignore README.md error.log log/ welcome.txt

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ echo "this is a test log" >debug.log

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ mkdir -p log

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ echo "log entry" >log/entry.txt

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ cat >> .gitignore <<'EOF'
> *.log
> log/
> EOF

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git add .gitignore
warning: in the working copy of '.gitignore', LF will be replaced by CRLF the next time Git touches it

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git commit -m "Add .gitignore to ignore *.log and log/ folder" || true
[main 13e6739] Add .gitignore to ignore *.log and log/ folder
1 file changed, 3 insertions(+)
create mode 100644 .gitignore
```

```
MINGW64:/c/Users/mohan/GitDemo
mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git rm --cached --ignore-unmatch*.log
error: unknown option 'ignore-unmatch*.log'
usage: git rm [-f | --force] [-n] [-r] [--cached] [--ignore-unmatch]
              [--quiet] [--pathspec-from-file=<file>] [--pathspec-file-nul]]
              [--] [<pathspec>...]

    -n, --[no-]dry-run      dry run
    -q, --[no-]quiet        do not list removed files
    --[no-]cached           only remove from the index
    -f, --[no-]force        override the up-to-date check
    -r                      allow recursive removal
    --[no-]ignore-unmatch   exit with a zero status even if nothing matched
    --[no-]sparse           allow updating entries outside of the sparse-checkout
cone
    --[no-]pathspec-from-file <file>
                           read pathspec from file
    --[no-]pathspec-file-nul
                           with --pathspec-from-file, pathspec elements are separated with NUL character

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git rm -r --cached --ignore-unmatch log

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git add -A

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git commit -m "Stop tracking log files and log folder" || true
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

nothing to commit, working tree clean

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git status --ignored
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
(use "git push" to publish your local commits)

Ignored files:
(use "git add -f <file>..." to include in what will be committed)
    debug.log
    error.log
    log/

nothing to commit, working tree clean

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git ls-files --others --ignored --exclude-standard
debug.log
error.log
log/entry.txt
log/test.txt

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git check-ignore -v debug.log
.gitignore:1:*.log      debug.log

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git check-ignore -v log/entry.txt
.gitignore:3:log/      log/entry.txt

mohan@mohanapriya MINGW64 ~/GitDemo (main)
$ git push
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 346 bytes | 346.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/mohana5056/GitDemo.git
  57a9496..13e6739  main -> main
```

## OUTPUT:

This screenshot shows the GitHub repository page for 'GitDemo' by user 'mohana5056'. The repository is public and has 0 stars, 0 forks, and 0 watchers. The main branch is 'main', and there are 2 branches and 0 tags. The repository has 3 commits. The files listed are .gitignore, README.md, and welcome.txt. The README file is selected, showing the title 'GitDemo'. The right sidebar contains sections for 'About', 'Releases', and 'Packages', all of which are currently empty.

master had recent pushes 39 minutes ago [Compare & pull request](#)

main 2 Branches 0 Tags  [Add file](#) [Code](#)

mohana5056 Update .gitignore 813ec77 · 7 minutes ago 3 Commits

.gitignore	Update .gitignore	7 minutes ago
README.md	Initial commit.	1 hour ago
welcome.txt	Initial commit: added welcome.txt	44 minutes ago

README [Edit](#)

GitDemo

About

No description, website, or topics provided.

Readme

Activity

0 stars

0 watching

0 forks

Releases

No releases published

[Create a new release](#)

Packages

No packages published

[Publish your first package](#)

This screenshot shows the GitHub repository page for 'GitDemo' by user 'mohana5056', specifically the view of the .gitignore file. The file is located at 'GitDemo/.gitignore' and was updated by mohana5056 at commit 813ec77, 8 minutes ago. The file contains two lines of text: '\*.log' and 'log/'. The left sidebar shows the file explorer with the following files: .gitignore, README.md, and welcome.txt. The right sidebar contains sections for 'About', 'Releases', and 'Packages', all of which are currently empty.

GitDemo/.gitignore

mohana5056 Update .gitignore 813ec77 · 8 minutes ago [History](#)

Code	Blame	2 lines (2 loc) · 11 Bytes	Raw	Download	Copy	Share
1	*.log					
2	log/					

Files

main [+](#) [Q](#)

.gitignore

README.md

welcome.txt