

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 ne
xt 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]]
              [<pathspect>...]

    -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-]pathspect-from-file <file>
                           read pathspect from file
    --[no-]pathspect-file-nul
                           with --pathspect-from-file, pathspect 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 main page of a GitHub repository named 'GitDemo' by user 'mohana5056'. The repository is public and has 0 stars, 0 forks, and 0 watchers. The 'master' branch has recent pushes 39 minutes ago. The repository contains 2 branches and 0 tags. The file list shows the following files and their commit history:

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

The README file is displayed below the file list, showing the title 'GitDemo'.

This screenshot shows the content of the '.gitignore' file in the 'GitDemo' repository. The file is located at 'GitDemo/.gitignore' and was updated 8 minutes ago. The file contains the following content:

```
1 *.log
2 log/
```