

## 1)Adding the files into and creating dorectires using git

```
MINGW64/c/Users/HP/hello
HPBLAPTOP-760P4MI4 MINGW64 ~ (master)
$ mkdir hello
HPBLAPTOP-760P4MI4 MINGW64 ~ (master)
$ cd hello
HPBLAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ vi hello.java
HPBLAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ pwd
bash: pwd: command not found
HPBLAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ pwd
/c/Users/HP/hello
HPBLAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ vi readme.md
HPBLAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git init
Initialized empty Git repository in C:/Users/HP/hello/.git/
HPBLAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ ls
hello.java  readme.md
HPBLAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ ls -la
./  ../  .git/  hello.java  readme.md
HPBLAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ cat config
cat: config: No such file or directory
HPBLAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ cd ../
HPBLAPTOP-760P4MI4 MINGW64 ~ (master)
$ git add hello.java
fatal: pathspec 'hello.java' did not match any files
HPBLAPTOP-760P4MI4 MINGW64 ~ (master)
$ cd hello
HPBLAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git add hello.java
warning: LF will be replaced by CRLF in hello.java.
```

## 2)checking the status

```
HPBLAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git status
On branch master

No commits yet

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

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

HPBLAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git commit -m "first commit"
[master (root-commit) 829f028] first commit
1 file changed, 5 insertions(+)
create mode 100644 hello.java
```

## 3)committing the file using git

```
HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git commit -m "first commit"
[master (root-commit) 829f028] first commit
1 file changed, 5 insertions(+)
create mode 100644 hello.java
```

#### 4)checking the log

```
HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git log -p
commit 829f0283155c92706247e0af2e86a1a988f6d997 (HEAD -> master)
Author: praharsha <170030696@kluniversity.in>
Date:   Wed Jan 6 16:22:04 2021 +0530

    first commit

diff --git a/hello.java b/hello.java
new file mode 100644
index 0000000..063e9ad
--- /dev/null
+++ b/hello.java
@@ -0,0 +1,5 @@
+public class Hello {
+    public static void main(String[] args) {
+        System.out.println("Hello, world from GIT!");
+    }
+}
```

#### 5) setting and cloning a remote repo

```
HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git remote add origin https://github.com/praharshaLakkam/hello_demo.git

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git remote -v
origin https://github.com/praharshaLakkam/hello_demo.git (fetch)
origin https://github.com/praharshaLakkam/hello_demo.git (push)
```

```

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git push origin
fatal: The current branch master has no upstream branch.
To push the current branch and set the remote as upstream, use

    git push --set-upstream origin master

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git push origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 323 bytes | 161.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0)
To https://github.com/praharshaLakkam/hello_demo.git
 * [new branch]      master -> master

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git clone https://github.com/praharshaLakkam/hello_demo.git
Cloning into 'hello_demo'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 303 bytes | 1024 bytes/s, done.

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$

```

## 6)removing a file using git

```

hello_demo/
readme.md

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git rm remove.txt
error: the following file has changes staged in the index:
    remove.txt
(use --cached to keep the file, or -f to force removal)

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git commit -m "second commit"
[master e61eecc] second commit
1 file changed, 1 insertion(+)
create mode 100644 remove.txt

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git rm remove.txt
rm 'remove.txt'

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ ls
hello.java  hello_demo/  readme.md

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$

```

## 7)Move command using git

```
HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git add one.txt
warning: LF will be replaced by CRLF in one.txt.
The file will have its original line endings in your working directory

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git init
Reinitialized existing Git repository in C:/Users/HP/hello/.git/

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git add one.txt

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git mv one.txt two.txt
fatal: destination exists, source=one.txt, destination=two.txt

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ ls
hello.java  hello_demo/  one.txt  readme.md  two.txt

HP@LAPTOP-760P4MI4 MINGW64 ~/hello (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   one.txt
        deleted:    remove.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        hello_demo/
        readme.md
        two.txt
```