```
→ mkdir Exercise01

workspace/python_training/Assignment1
→ cd ~/workspace/python_training/Assignment1/Exercise01

python_training/Assignment1/Exercise01
→ git init
Initialized empty Git repository in /Users/ritam/workspace/python_training/Assignment1/Exercise01/.git/

Exercise01 on ⌥ master
→ ls -la
total 0
drwxr-xr-x  3 ritam  staff   96 Apr  8 23:13 .
drwxr-xr-x  5 ritam  staff  160 Apr  8 23:13 ..
drwxr-xr-x  9 ritam  staff  288 Apr  8 23:13 .git

Exercise01 on ⌥ master
→ cd ../

Exercise01 on ⌥ master
→ echo "index.html"
index.html

Exercise01 on ⌥ master
→ ls

Exercise01 on ⌥ master
→ touch index.html

Exercise01 on ⌥ master [?]
→ git add .

Exercise01 on ⌥ master [+]
→ git status
On branch master

No commits yet

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


Exercise01 on ⌥ master [+]
→ git commit -m "Initial Message"
[master (root-commit) 8d8f950] Initial Message
 1 file changed, 1 insertion(+)
 create mode 100644 index.html

Exercise01 on ⌥ master
→
```

```
workspace/python_training/Assignment1
→ mkdir Exercise02

workspace/python_training/Assignment1
→ git init
Initialized empty Git repository in /Users/ritam/workspace/python_training/Assignment1/.git/

Assignment1 on ⅄ master [?]
→ rm -rf .git

workspace/python_training/Assignment1
→ ls
01          Exercise    Exercise01 Exercise02

workspace/python_training/Assignment1
→ cd ~/workspace/python_training/Assignment1/Exercise02

python_training/Assignment1/Exercise02
→ git init
Initialized empty Git repository in /Users/ritam/workspace/python_training/Assignment1/Exercise02/.git/

Exercise02 on ⅄ master
→ touch index.html about.html

Exercise02 on ⅄ master [?]
→ ls
about.html index.html

Exercise02 on ⅄ master [?]
→ git status
On branch master

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)

Exercise02 on ⅄ master [?]
→ git add about.html
```

```
Exercise02 on ⌥ master [?]
→ git add about.html

Exercise02 on ⌥ master [+?]
→ git status
On branch master

No commits yet

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

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


Exercise02 on ⌥ master [+?]
→ git commit -m "File about.html added.""
→ git commit -m "about.html added"
→ git status
→

Exercise02 on ⌥ master [+?]
→ git status
On branch master

No commits yet

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

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


Exercise02 on ⌥ master [+?]
→ git commit -m "About.html added"
[master (root-commit) 2313ff1] About.html added
 1 file changed, 1 insertion(+)
 create mode 100644 about.html
```

```
commit 8e71377340645604941307949f4260b377aecb48bc (HEAD -> master)
Author: Ritam Agrawal <ritam.kumari.27@gmail.com>
Date:   Thu Apr 8 23:44:23 2021 -0700

    Adding index.html and about.html

diff --git a/about.html b/about.html
new file mode 100644
index 0000000..e4e9999
--- /dev/null
+++ b/about.html
@@ -0,0 +1 @@
+<h2>Learning Git</h2>
\ No newline at end of file
diff --git a/index.html b/index.html
new file mode 100644
index 0000000..3f818ec
--- /dev/null
+++ b/index.html
@@ -0,0 +1 @@
+<h1>Exercise three</h1>
(END)
```

```
workspace/python_training/Assignment1
→ mkdir Exercise03


workspace/python_training/Assignment1
→ cd ~/workspace/python_training/Assignment1/Exercise03


python_training/Assignment1/Exercise03
→ git init
Initialized empty Git repository in /Users/ritam/workspace/python_training/As
signment1/Exercise03/.git/


Exercise03 on ⎇ master
→ touch index.html


Exercise03 on ⎇ master [?]
→ git status
commit 430295a7658f69d238c89ca45c7eb1ea0d81e795 (HEAD -> master)
Author: Ritam Agrawal <ritam.kumari.27@gmail.com>
Date:    Thu Apr 8 23:44:23 2021 -0700


    adding index.html
 ESCOC
On branch master


No commits yet


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


nothing added to commit but untracked files present (use "git add" to track)


Exercise03 on ⎇ master [?]
→ git add index.html
```

```
Exercise03 on ⑂ master [?]
→ git add index.html

Exercise03 on ⑂ master [+]
→ git status
On branch master

No commits yet

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


Exercise03 on ⑂ master [+]
→ git commit -m "adding index.html"
[master (root-commit) 430295a] adding index.html
 1 file changed, 1 insertion(+)
 create mode 100644 index.html

Exercise03 on ⑂ master
→ touch about.html

Exercise03 on ⑂ master [?]
→ git log

Exercise03 on ⑂ master [?] took 1m 23s
→ git add about.html

Exercise03 on ⑂ master [+]
→ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   about.html
```

```
commit 8e7137734064560494413079f4260b377aecb48bc (HEAD -> master)
Author: Ritam Agrawal <ritam.kumari.27@gmail.com>
Date:   Thu Apr 8 23:44:23 2021 -0700

    Adding index.html and about.html
...skipping...
Commit contents options
    -a, --all               commit all changed files
    -i, --include           add specified files to index for commit
    --interactive           interactively add files
    -p, --patch             interactively add changes
    -o, --only              commit only specified files
    -n, --no-verify         bypass pre-commit and commit-msg hooks
    --dry-run               show what would be committed
    --short                 show status concisely
    --branch                show branch information
    --ahead-behind          compute full ahead/behind values
    --porcelain             machine-readable output
    --long                  show status in long format (default)
    -z, --null              terminate entries with NUL
    --amend                 amend previous commit
    --no-post-rewrite       bypass post-rewrite hook
    -u, --untracked-files[=<mode>]
                            show untracked files, optional modes: all, normal, no. (Default: all)
    --pathspec-from-file <file>
                            read pathspec from file
    --pathspec-file-nul     with --pathspec-from-file, pathspec elements are separated with NUL characte
r


Exercise03 on  master [+]
→ git commit --amend -m "Adding index.html and about.html"
[master 8e71377] Adding index.html and about.html
 Date: Thu Apr 8 23:44:23 2021 -0700
 2 files changed, 2 insertions(+)
 create mode 100644 about.html
 create mode 100644 index.html

Exercise03 on  master
→ git log

Exercise03 on  master took 30s
→ git show

Exercise03 on  master took 1m 13s
→
```

```
Exercise03 on ⑂ master [+]
→ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   about.html


Exercise03 on ⑂ master [+]
→ git --ammend -m "Adding index.html and about.html"
unknown option: --ammend
usage: git [--version] [--help] [-C <path>] [-c <name>=<value>]
           [--exec-path[=<path>]] [--html-path] [--man-path] [--info-path]
           [-p | --paginate | -P | --no-pager] [--no-replace-objects] [--bare]
           [--git-dir=<path>] [--work-tree=<path>] [--namespace=<name>]
           <command> [<args>]


Exercise03 on ⑂ master [+]
→ git commit --ammend -m "Adding index.html and about.html"
error: unknown option `ammend'
usage: git commit [<options>] [--] <pathspec>...

    -q, --quiet           suppress summary after successful commit
    -v, --verbose         show diff in commit message template

Commit message options
    -F, --file <file>     read message from file
    --author <author>     override author for commit
    --date <date>         override date for commit
    -m, --message <message>
                          commit message
    -c, --reedit-message <commit>
                          reuse and edit message from specified commit
    -C, --reuse-message <commit>
                          reuse message from specified commit
    --fixup <commit>      use autosquash formatted message to fixup specified commit
    --squash <commit>     use autosquash formatted message to squash specified commit
    --reset-author        the commit is authored by me now (used with -C/-c/--amend)
    -s, --signoff         add a Signed-off-by trailer
    -t, --template <file>
                          use specified template file
    -e, --edit            force edit of commit
    --cleanup <mode>      how to strip spaces and #comments from message
    --status              include status in commit message template
    -S, --gpg-sign[=<key-id>]
                          GPG sign commit


commit 8e71377340645604941307 9f4260b377aecb48bc (HEAD -> master)
Author: Ritam Agrawal <ritam.kumari.27@gmail.com>
Date:   Thu Apr 8 23:44:23 2021 -0700
```

```
workspace/python_training/Assignment1
→ mkdir Exercise04

workspace/python_training/Assignment1
→ cd ~/workspace/python_training/Assignment1/Exercise04

python_training/Assignment1/Exercise04
→ git init
Initialized empty Git repository in /Users/ritam/workspace/python_training/A
ssignment1/Exercise04/.git/

Exercise04 on ᛉ master
→ touch .gitignore

Exercise04 on ᛉ master [?]
→ ls

Exercise04 on ᛉ master [?]
→ ls -la
total 0
drwxr-xr-x   4 ritam   staff   128 Apr   9 00:11 .
drwxr-xr-x   8 ritam   staff   256 Apr   9 00:10 ..
drwxr-xr-x   9 ritam   staff   288 Apr   9 00:11 .git
-rw-r--r--   1 ritam   staff     0 Apr   9 00:11 .gitignore
```

```
Exercise05 on ⌥ master [?]
→ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        cards.html
        crepe.html
        index.html

nothing added to commit but untracked files present (use "git add" to track)

Exercise05 on ⌥ master [?]
→ git log

Exercise05 on ⌥ master [?] took 15s
→ git add .

Exercise05 on ⌥ master [+]
→ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   cards.html
        new file:   crepe.html
        new file:   index.html


Exercise05 on ⌥ master [+]
→ git stash
Saved working directory and index state WIP on master: 2313ff1 About.html added

Exercise05 on ⌥ master [$]
→ git status
On branch master
nothing to commit, working tree clean

Exercise05 on ⌥ master [$]
→ git log

Exercise05 on ⌥ master [$] took 2s
→ git stash list

Exercise05 on ⌥ master [$] took 16s
→ █
```

```
Exercise06 on ⑂ master
→ git status
On branch master
nothing to commit, working tree clean

Exercise06 on ⑂ master
→ git log | cat
commit 8685db4655c64f16efeb93fa23b47e960b6ac133
Author: Ritam Agrawal <ritam.kumari.27@gmail.com>
Date:    Fri Apr 9 00:57:36 2021 -0700

    added index

commit 8b3379840595d1b69ec9d079469a8b9b99947a6a
Author: Ritam Agrawal <ritam.kumari.27@gmail.com>
Date:    Fri Apr 9 00:54:56 2021 -0700

    added content

commit f88eb05d7974b1f896bb18d5ac55037966bacbd9
Author: Ritam Agrawal <ritam.kumari.27@gmail.com>
Date:    Fri Apr 9 00:54:44 2021 -0700

    added about

Exercise06 on ⑂ master
→ git reset --soft HEAD

Exercise06 on ⑂ master
→ git reset --soft HEAD~1

Exercise06 on ⑂ master [+]
→ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   index.html


Exercise06 on ⑂ master [+]
→ ▊
```

```
Exercise07 on ⎇ master
→ git status
On branch master
nothing to commit, working tree clean

Exercise07 on ⎇ master
→ git log | cat
commit 2934565129519e2db9aabeaeb6b545341fcbfca6
Author: Ritam Agrawal <ritam.kumari.27@gmail.com>
Date:   Fri Apr 9 00:59:41 2021 -0700

    added index

commit 8b3379840595d1b69ec9d079469a8b9b99947a6a
Author: Ritam Agrawal <ritam.kumari.27@gmail.com>
Date:   Fri Apr 9 00:54:56 2021 -0700

    added content

commit f88eb05d7974b1f896bb18d5ac55037966bacbd9
Author: Ritam Agrawal <ritam.kumari.27@gmail.com>
Date:   Fri Apr 9 00:54:44 2021 -0700

    added about

Exercise07 on ⎇ master
→ git reset --hard HEAD~1
HEAD is now at 8b33798 added content

Exercise07 on ⎇ master
→ git log

Exercise07 on ⎇ master
→ git log | cat
commit 8b3379840595d1b69ec9d079469a8b9b99947a6a
Author: Ritam Agrawal <ritam.kumari.27@gmail.com>
Date:   Fri Apr 9 00:54:56 2021 -0700

    added content

commit f88eb05d7974b1f896bb18d5ac55037966bacbd9
Author: Ritam Agrawal <ritam.kumari.27@gmail.com>
Date:   Fri Apr 9 00:54:44 2021 -0700

    added about

Exercise07 on ⎇ master
→
```

```
workspace/python_training/Assignment1
→ mkdir Exercise08

workspace/python_training/Assignment1
→ cd Exercise08

python_training/Assignment1/Exercise08
→ git init
Initialized empty Git repository in /Users/ritam/workspace/python_training/Assignment1/Exercise08/.git/

Exercise08 on ⑂ master
→ touch index.html

Exercise08 on ⑂ master [?]
→ git add .

Exercise08 on ⑂ master [+]
→ git commit -m "added index"
[master (root-commit) 18a8bcb] added index
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 index.html

Exercise08 on ⑂ master
→ git checkout -b my-feature
Switched to a new branch 'my-feature'

Exercise08 on ⑂ my-feature
→ touch about.html

Exercise08 on ⑂ my-feature [?]
→ git add about.html

Exercise08 on ⑂ my-feature [+]
→ git commit -m "added about"
[my-feature 0e96358] added about
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 about.html

Exercise08 on ⑂ my-feature
→ git checkout master
Switched to branch 'master'

Exercise08 on ⑂ master
→ git merge my-feature
Updating 18a8bcb..0e96358
Fast-forward
 about.html | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 about.html

Exercise08 on ⑂ master
→ ▮
```

```
workspace/python_training/Assignment1
→ mkdir Exercise09

workspace/python_training/Assignment1
→ cd Exercise09

python_training/Assignment1/Exercise09
→ touch index.html

python_training/Assignment1/Exercise09
→ git add index.html
fatal: not a git repository (or any of the parent directories): .git

python_training/Assignment1/Exercise09
→ git init
Initialized empty Git repository in /Users/ritam/workspace/python_training/Assignment1/Exercise09/.git/

Exercise09 on ⎇ master [?]
→ git add index.html

Exercise09 on ⎇ master [+]
→ git commit -m "added index"
[master (root-commit) 3924eae] added index
 1 file changed, 1 insertion(+)
 create mode 100644 index.html

Exercise09 on ⎇ master
→ git checkout -b my-feature
Switched to a new branch 'my-feature'

Exercise09 on ⎇ my-feature
→ touch about.html

Exercise09 on ⎇ my-feature [?]
→ git status
On branch my-feature
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:   index.html

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

no changes added to commit (use "git add" and/or "git commit -a")

Exercise09 on ⎇ my-feature [!?]
→ git commit -m "added index and about"
On branch my-feature
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:   index.html

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

no changes added to commit (use "git add" and/or "git commit -a")

Exercise09 on ⎇ my-feature [!?]
→ git add .
```

```
Exercise09 on ⑂ my-feature [+]
→ git commit -m "added index and about"
[my-feature ba86d9f] added index and about
 2 files changed, 1 insertion(+), 1 deletion(-)
 create mode 100644 about.html

Exercise09 on ⑂ my-feature
→ git checkout master
Switched to branch 'master'

Exercise09 on ⑂ master
→ git merge my-feature
Updating 3924eae..ba86d9f
Fast-forward
 about.html | 0
 index.html | 2 +-
 2 files changed, 1 insertion(+), 1 deletion(-)
 create mode 100644 about.html

Exercise09 on ⑂ master
→

Exercise09 on ⑂ master
→ git status
On branch master
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:   index.html

no changes added to commit (use "git add" and/or "git commit -a")

Exercise09 on ⑂ master [!]
→ git commit -m "updated index"
On branch master
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:   index.html

no changes added to commit (use "git add" and/or "git commit -a")

Exercise09 on ⑂ master [!]
→ git add .

Exercise09 on ⑂ master [+]
→ git commit -m "updated index"
[master ee68c43] updated index
 1 file changed, 5 insertions(+)

Exercise09 on ⑂ master
→ git checkout -b my-feature-1
Switched to a new branch 'my-feature-1'
```

```
Exercise09 on  my-feature-1
→ git status
On branch my-feature-1
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:   index.html

no changes added to commit (use "git add" and/or "git commit -a")

Exercise09 on  my-feature-1 [!]
→ git diff

Exercise09 on  my-feature-1 [!] took 2s
→ git diff | cat
diff --git a/index.html b/index.html
index dadd34c..1dc8976 100644
--- a/index.html
+++ b/index.html
@@ -1,6 +1,5 @@
-<b>Hello</b>
+<b>HelloWorld</b>
 Hello
-World
-Foo
-Bar
+Fooooo
+Ba
 Hi
\ No newline at end of file

Exercise09 on  my-feature-1 [!]
→ git add .

Exercise09 on  my-feature-1 [+]
→ git commit -m "updated index to remove data""
→

Exercise09 on  my-feature-1 [+]
→ git commit -m "updated index to remove data"
[my-feature-1 b8daa37] updated index to remove data
 1 file changed, 3 insertions(+), 4 deletions(-)

Exercise09 on  my-feature-1
→ git checkout master
Switched to branch 'master'

Exercise09 on  master
→ git merge my-feature-1
Updating ee68c43..b8daa37
Fast-forward
 index.html | 7 +++----
 1 file changed, 3 insertions(+), 4 deletions(-)

Exercise09 on  master
→
```