GIT ASSIGNEMENT

Exercise 1:

```
Last login: Thu Apr  8 10:50:28 on ttys000
[(base) kas@kass-Air ~ % cd Desktop
[(base) kas@kass-Air Desktop % cd git\ assignment
[(base) kas@kass-Air git assignment % touch index.html
[(base) kas@kass-Air git assignment % vim index.html
[(base) kas@kass-Air git assignment % git init
 Initialized empty Git repository in /Users/kas/Desktop/git assignment/.git/
[(base) kas@kass-Air git assignment % git status
 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)
[(base) kas@kass-Air git assignment % git add .
[(base) kas@kass-Air git assignment % git status
 On branch master

 No commits yet

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

[(base) kas@kass-Air git assignment % git commit -m "Initial Message"

 *** Please tell me who you are.

 Run

   git config --global user.email "you@example.com"
   git config --global user.name "Your Name"

 to set your account's default identity.
 Omit --global to set the identity only in this repository.

 fatal: unable to auto-detect email address (got 'kas@kass-Air.(none)')
[(base) kas@kass-Air git assignment % git config --global user.email "kasimalam@gmail.com"
 (base) kas@kass-Air git assignment % git config --global user.name  "kasim alam"
[(base) kas@kass-Air git assignment % git commit -m "Initial Message"
 [master (root-commit) e66c81d] Initial Message
[ 1 file changed, 1 insertion(+)
  create mode 100644 index.html
 (base) kas@kass-Air git assignment % █
```

exercise 2:

```
 create mode 100044 Indexntm
 (base) kas@kass-Air git assignment % git init Exercise-2
 Initialized empty Git repository in /Users/kas/Desktop/git assignment/Exercise-2/.git/
[(base) kas@kass-Air git assignment % touch index.html about.html
 (base) kas@kass-Air git assignment % vim index.html
 (base) kas@kass-Air git assignment % vim about.html
[(base) kas@kass-Air git assignment % git add index.html
[(base) kas@kass-Air git assignment % git status
[On branch master
[Changes to be committed:
[  (use "git restore --staged <file>..." to unstage)
        modified:   index.html

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

 (base) kas@kass-Air git assignment % git commit -m "File index.html added"
 [master 88da5e0] File index.html added
  1 file changed, 44 insertions(+)
[(base) kas@kass-Air git assignment % 
```

Ex 3:

```
(base) kas@kass-Air git assignment % git init Exercise-3
Initialized empty Git repository in /Users/kas/Desktop/git assignment/Exercise-3/.git/
(base) kas@kass-Air git assignment % touch index.html
(base) kas@kass-Air git assignment % vim index.html
(base) kas@kass-Air git assignment % git add index.html
(base) kas@kass-Air git assignment % git commit -m "adding index.html"
[master fb5279c] adding index.html
 1 file changed, 1 insertion(+), 11 deletions(-)
(base) kas@kass-Air git assignment % git add about.html
(base) kas@kass-Air git assignment % git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   about.html

(base) kas@kass-Air git assignment % git commit -m 'and add about.html'
[master 32264c5] and add about.html
 1 file changed, 1 insertion(+)
 create mode 100644 about.html
(base) kas@kass-Air git assignment % 
```

Ex 4:

```
[(base) kas@kass-Air git assignment % git init Exercise-4
 Initialized empty Git repository in /Users/kas/Desktop/git assignment/Exercise-4/.git/
[(base) kas@kass-Air git assignment % echo '*.exe' > .gitignore
[(base) kas@kass-Air git assignment % echo '*.o' > .gitignore
[(base) kas@kass-Air git assignment % echo '*.jar' > .gitignore
[(base) kas@kass-Air git assignment % echo 'libraries' > .gitignore
 (base) kas@kass-Air git assignment % 
```

Ex 5:

```
[(base) kas@kass-Air Exercise-5 % git add hello.py
[(base) kas@kass-Air Exercise-5 % git add test.txt
[(base) kas@kass-Air Exercise-5 % git stash
You do not have the initial commit yet
[(base) kas@kass-Air Exercise-5 % git commit -m 'initail files'
[master (root-commit) 428779d] initail files
 2 files changed, 2 insertions(+)
 create mode 100644 hello.py
 create mode 100644 test.txt
[(base) kas@kass-Air Exercise-5 % git stash
No local changes to save
[(base) kas@kass-Air Exercise-5 % vim hello.py
[(base) kas@kass-Air Exercise-5 % git stash
Saved working directory and index state WIP on master: 428779d initail files
(base) kas@kass-Air Exercise-5 % 
```

Ex6:

```
(base) kas@kass-Air Exercise-6 % git commit
On branch master

Initial commit

nothing to commit
(base) kas@kass-Air Exercise-6 % touch hi.txt
(base) kas@kass-Air Exercise-6 % touch bye.txt
(base) kas@kass-Air Exercise-6 % git add .
(base) kas@kass-Air Exercise-6 % git commit
[master (root-commit) daebd12] first commit
 2 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 bye.txt
 create mode 100644 hi.txt
(base) kas@kass-Air Exercise-6 % touch sadf.txt
(base) kas@kass-Air Exercise-6 % touch asd.py
(base) kas@kass-Air Exercise-6 % git add .
(base) kas@kass-Air Exercise-6 % tocuh test.py
zsh: command not found: tocuh
(base) kas@kass-Air Exercise-6 % touch.pdf
zsh: command not found: touch.pdf
(base) kas@kass-Air Exercise-6 % touch heb.py
(base) kas@kass-Air Exercise-6 % add .
zsh: command not found: add
(base) kas@kass-Air Exercise-6 % git add .
(base) kas@kass-Air Exercise-6 % git commit -m "third"
[master f08a4fb] third
 3 files changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 asd.py
 create mode 100644 heb.py
 create mode 100644 sadf.txt
(base) kas@kass-Air Exercise-6 % git reset
(base) kas@kass-Air Exercise-6 % git status
On branch master
nothing to commit, working tree clean
(base) kas@kass-Air Exercise-6 % git status HEAD .
On branch master
nothing to commit, working tree clean
(base) kas@kass-Air Exercise-6 % git add .
(base) kas@kass-Air Exercise-6 % git status HEAD .
On branch master
nothing to commit, working tree clean
(base) kas@kass-Air Exercise-6 % git touch new.txt
git: 'touch' is not a git command. See 'git --help'.
(base) kas@kass-Air Exercise-6 % touch new.txt
(base) kas@kass-Air Exercise-6 % git add .
(base) kas@kass-Air Exercise-6 % git status HEAD .
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   new.txt

(base) kas@kass-Air Exercise-6 % git reset HEAD .
(base) kas@kass-Air Exercise-6 %
(base) kas@kass-Air Exercise-6 %
(base) kas@kass-Air Exercise-6 %
(base) kas@kass-Air Exercise-6 %
(base) kas@kass-Air Exercise-6 % git reset HEAD .
(base) kas@kass-Air Exercise-6 % git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
```

EX7:

```
(base) kas@kass-Air git assignment % git init Exercise-7
Initialized empty Git repository in /Users/kas/Desktop/git assignment/Exercise-7/.git/
(base) kas@kass-Air git assignment % cd Exercise-7
(base) kas@kass-Air Exercise-7 % touch hi.txt
(base) kas@kass-Air Exercise-7 % git add .
(base) kas@kass-Air Exercise-7 % git commit -m 'girst commit'
[master (root-commit) 1b9af1f] girst commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 hi.txt
(base) kas@kass-Air Exercise-7 % touch bye.py
(base) kas@kass-Air Exercise-7 % git add bye.py
(base) kas@kass-Air Exercise-7 % git commit -m "second'
dquote>
dquote> "
[master c9cfa15] second'
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 bye.py
(base) kas@kass-Air Exercise-7 % git reset -- hard
(base) kas@kass-Air Exercise-7 % git reset --hard
HEAD is now at c9cfa15 second'
```

EX8:

```
(base) kas@kass-Air git assignment % git init Exercise-8
Initialized empty Git repository in /Users/kas/Desktop/git
assignment/Exercise-8/.git/
(base) kas@kass-Air git assignment % cd Exercise-8
(base) kas@kass-Air Exercise-8 % touch index.html
(base) kas@kass-Air Exercise-8 % vim index.html
(base) kas@kass-Air Exercise-8 % git add .
(base) kas@kass-Air Exercise-8 % git commit -m 'first'
[master (root-commit) 4781aa5] first
 1 file changed, 2 insertions(+)
 create mode 100644 index.html
(base) kas@kass-Air Exercise-8 % git branch my-feature
(base) kas@kass-Air Exercise-8 % git status
On branch master
nothing to commit, working tree clean
(base) kas@kass-Air Exercise-8 % git branch list
(base) kas@kass-Air Exercise-8 % git branch -list
error: did you mean `--list` (with two dashes ?)
(base) kas@kass-Air Exercise-8 % git branch --list
  list
* master
  my-feature
(base) kas@kass-Air Exercise-8 % git checkout my-feature
Switched to branch 'my-feature'
(base) kas@kass-Air Exercise-8 % touch about-us.html
(base) kas@kass-Air Exercise-8 % vim about-us.html
(base) kas@kass-Air Exercise-8 % git add .
(base) kas@kass-Air Exercise-8 % git status
On branch my-feature
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   about-us.html
```

```
(base) kas@kass-Air Exercise-8 % git commit -m 'second'
[my-feature 757ac86] second
 1 file changed, 1 insertion(+)
 create mode 100644 about-us.html
(base) kas@kass-Air Exercise-8 % git checkout master
Switched to branch 'master'
(base) kas@kass-Air Exercise-8 % git merge my-feature
Updating 4781aa5..757ac86
Fast-forward
 about-us.html | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 about-us.html
(base) kas@kass-Air Exercise-8 %
```

Ex. 9:

```
(base) kas@kass-Air git assignment % git init Exercise-9
Initialized empty Git repository in /Users/kas/Desktop/git
assignment/Exercise-9/.git/
(base) kas@kass-Air git assignment % cd Exercise-
cd: no such file or directory: Exercise-
(base) kas@kass-Air git assignment % cd Exercise-9
(base) kas@kass-Air Exercise-9 % touch index.html
(base) kas@kass-Air Exercise-9 % vi index.html
(base) kas@kass-Air Exercise-9 % git add .
(base) kas@kass-Air Exercise-9 % git commit -m "first"
[master (root-commit) 63d29d9] first
 1 file changed, 5 insertions(+)
 create mode 100644 index.html
(base) kas@kass-Air Exercise-9 % git branch my-feature
(base) kas@kass-Air Exercise-9 % git checkout my-feature
Switched to branch 'my-feature'
(base) kas@kass-Air Exercise-9 % touch about-us.html
(base) kas@kass-Air Exercise-9 % vi about-us.html
(base) kas@kass-Air Exercise-9 % vi index.html
(base) kas@kass-Air Exercise-9 % git add .
(base) kas@kass-Air Exercise-9 % git commit -m 'second commit'
[my-feature 762509a] second commit
 2 files changed, 23 insertions(+), 4 deletions(-)
 create mode 100644 about-us.html
(base) kas@kass-Air Exercise-9 % git checkout master
Switched to branch 'master'
(base) kas@kass-Air Exercise-9 % vi index.html
(base) kas@kass-Air Exercise-9 % git add .
(base) kas@kass-Air Exercise-9 % git commit
[master 423dd1c] third
 1 file changed, 3 insertions(+), 3 deletions(-)
(base) kas@kass-Air Exercise-9 % git merge my-feature
```

```
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.
(base) kas@kass-Air Exercise-9 % git diff
diff --cc index.html
index 595160b,687ae87..0000000
--- a/index.html
+++ b/index.html
@@@ -1,5 -1,5 +1,13 @@@
++<<<<<<< HEAD
 +jdflkjsllkfjsd
 +dfewtre345
 +sfdsfsdff
 +sdfsdfasdfae
 +
++=======
+ dlf;ks;ldfkdjsllkfjsd
+ sfsd
+ s453ddsf
+ sdfsdf
+ dsf
++>>>>>>> my-feature
(base) kas@kass-Air Exercise-9 % git checkout --theirs index.html
Updated 1 path from the index
(base) kas@kass-Air Exercise-9 % git merge my-feature
error: Merging is not possible because you have unmerged files.
hint: Fix them up in the work tree, and then use 'git add/rm <file>'
hint: as appropriate to mark resolution and make a commit.
fatal: Exiting because of an unresolved conflict.
(base) kas@kass-Air Exercise-9 % git status
On branch master
You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Changes to be committed:
    new file:   about-us.html

Unmerged paths:
  (use "git add <file>..." to mark resolution)
    both modified:   index.html

(base) kas@kass-Air Exercise-9 % git add .
(base) kas@kass-Air Exercise-9 % git merge my-feature
fatal: You have not concluded your merge (MERGE_HEAD exists).
Please, commit your changes before you merge.
(base) kas@kass-Air Exercise-9 % git status
On branch master
All conflicts fixed but you are still merging.
  (use "git commit" to conclude merge)
```

```
Changes to be committed:
    new file:    about-us.html
    modified:    index.html

(base) kas@kass-Air Exercise-9 % git commit -m 'fixed merge issues'
[master d19529b] fixed merge issues
(base) kas@kass-Air Exercise-9 % git merge my-feature
Already up to date.
(base) kas@kass-Air Exercise-9 %
```