

Manasi Tayade

Exercise 1: Create your first Commit.

Task:

- Initialize your Repository: git init project Exercise-1
- Create a file with name index.html
- Write code in newly created file
- Stage index.html
- Commit with message 'Initial Message.'

```
Last login: Sun Apr 18 14:47:04 on ttys000
The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh'.
For more details, please visit https://support.apple.com/kb/HT208050.
[Manasis-MacBook-Pro:~ manasitayade$ cd Desktop
[Manasis-MacBook-Pro:Desktop manasitayade$ mkdir PT-Exercises
[Manasis-MacBook-Pro:Desktop manasitayade$ mkdir PT-Exercise1
[Manasis-MacBook-Pro:Desktop manasitayade$ mv PT-Exercises PT-Exercise1
[Manasis-MacBook-Pro:Desktop manasitayade$ cd PT-Exercise1
[Manasis-MacBook-Pro:PT-Exercise1 manasitayade$ ls
PT-Exercise1
[Manasis-MacBook-Pro:PT-Exercise1 manasitayade$ cd PT-Exercise1
[Manasis-MacBook-Pro:PT-Exercise1 manasitayade$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:   git config --global init.defaultBranch <name>
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/manasitayade/Desktop/PT-Exercise1/.git/
[Manasis-MacBook-Pro:PT-Exercise1 manasitayade$ echo "This is a html file" > "index.html"
[Manasis-MacBook-Pro:PT-Exercise1 manasitayade$ ls
index.html
[Manasis-MacBook-Pro:PT-Exercise1 manasitayade$ git add index.html
[Manasis-MacBook-Pro:PT-Exercise1 manasitayade$ git status
On branch master

No commits yet

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

[Manasis-MacBook-Pro:PT-Exercise1 manasitayade$ git commit -m "Initial Message"
[master (root-commit) ae9095d] Initial Message
  1 file changed, 1 insertion(+)
  create mode 100644 index.html
[Manasis-MacBook-Pro:PT-Exercise1 manasitayade$ ]
```

Exercise 2: Commit only one file.

Task:

- Initialize your Repository: `git init Exercise-2`
- Create a files with names `index.html` and `about.html`
- Add code in both files.
- Stage only one file.
- Commit with message: ‘File x added.’

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

Manasis-MacBook-Pro:PT-Exercise1 manasityade$ git commit -m "Initial Message"
[master (root-commit) 7f675b5] Initial Message
 1 file changed, 1 insertion(+)
 create mode 100644 index.html
Manasis-MacBook-Pro:PT-Exercise1 manasityade$ cd ..
Manasis-MacBook-Pro:PT-Exercises manasityade$ mkdir PT-Exercise2
Manasis-MacBook-Pro:PT-Exercises manasityade$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:   git config --global init.defaultBranch <name>
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/manasityade/Desktop/PT-Exercises/.git/
Manasis-MacBook-Pro:PT-Exercises manasityade$ ls -a
.                                PT-Exercise1  PT-Exercise2
..                               .git
Manasis-MacBook-Pro:PT-Exercises manasityade$ cd PT-Exercise2
Manasis-MacBook-Pro:PT-Exercise2 manasityade$ ls -a

Manasis-MacBook-Pro:PT-Exercise2 manasityade$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:   git config --global init.defaultBranch <name>
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/manasityade/Desktop/PT-Exercises/PT-Exercise2/.git/
Manasis-MacBook-Pro:PT-Exercise2 manasityade$ echo "This is an index of html file" > "index.html"
Manasis-MacBook-Pro:PT-Exercise2 manasityade$ ls
index.html
Manasis-MacBook-Pro:PT-Exercise2 manasityade$ echo "This is about of html file" > "about.html"
Manasis-MacBook-Pro:PT-Exercise2 manasityade$ ls
about.html  index.html
Manasis-MacBook-Pro:PT-Exercise2 manasityade$ git add index.html
Manasis-MacBook-Pro:PT-Exercise2 manasityade$ git status
On branch master

No commits yet

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

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

Manasis-MacBook-Pro:PT-Exercise2 manasityade$ git commit -m "File x added"
[master (root-commit) 7f675b5] File x added
 1 file changed, 1 insertion(+)
 create mode 100644 index.html
Manasis-MacBook-Pro:PT-Exercise2 manasityade$
```

Exercise 3: Modify last commit.

Task:

- Initialize your Repository: git init project Exercise-3
- Create a file with name index.html
- Write code in newly created file
- Stage index.html
- Commit with message ‘adding index.html.’
- Add new about.html file with some code.
- Now modify message of previous commit as ‘Adding index.html and about.html’ and add about.html file in previous commit.

```
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ cd ..
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ mkdir PT-Exercise3
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ cd PT-Exercise3
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hints of your new repositories, which will suppress this warning, call:
  hint:   git config --global init.defaultBranch <name>
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/manasitayade/Desktop/PT-Exercise3/.git/
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ echo "This is index.html file" > index.html
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git status
On branch master
No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)
[Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git add .
git: 'add.' is not a git command. See 'git --help'.
The most similar command is
  add
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git add .
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git commit -m "Adding index.html"
[master (root-commit) 6e1751d] Adding index.html
  1 file changed, 1 insertion(+)
  create mode 100644 index.html
[Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ echo "This is about.html file" > about.html
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    about.html

nothing added to commit but untracked files present (use "git add" to track)
[Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git commit --amend -m "Adding index.html and about.html"
[master ebc0a3f] Adding index.html and about.html
  Date: Sun Apr 18 15:52:14 2021 -0400
  1 file changed, 1 insertion(+)
  create mode 100644 index.html
  create mode 100644 about.html
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    about.html

nothing added to commit but untracked files present (use "git add" to track)
[Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git add about.html
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   about.html
```

```
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   about.html

Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git commit --amend -m "Adding index.html and about.html"
[master 8e49002] Adding index.html and about.html
  Date: Sun Apr 18 15:52:14 2021 -0400
  2 files changed, 2 insertions(+)
  create mode 100644 about.html
  create mode 100644 index.html
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git status
On branch master
nothing to commit, working tree clean
Manasis-MacBook-Pro:PT-Exercise3 manasitayade$
```

Exercise 4: Create git ignore file

Task:

- Initialize your Repository: `git init Exercise-4`
- Create a `gitignore` file that will ignore:
 - all files with ‘exe’ extension
 - all files with ‘o’ extension
 - all files with ‘jar’ extension
 - the whole libraries directory

```
[Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git commit --amend -m "Adding index.html and about.html"
[master 8e40002] Adding index.html and about.html
Date: Sun Apr 18 15:52:14 2021 -0400
2 files changed, 2 insertions(+)
create mode 100644 about.html
create mode 100644 index.html
[Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ git status
On branch master
nothing to commit, working tree clean
[Manasis-MacBook-Pro:PT-Exercise3 manasitayade$ cd ..
[Manasis-MacBook-Pro:PT-Exercises manasitayade$ mkdir PT-Exercise4
[Manasis-MacBook-Pro:PT-Exercises manasitayade$ cd PT-Exercise4
[Manasis-MacBook-Pro:PT-Exercise4 manasitayade$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/manasitayade/Desktop/PT-Exercises/PT-Exercise4/.git/
[Manasis-MacBook-Pro:PT-Exercise4 manasitayade$ touch .gitignore
[Manasis-MacBook-Pro:PT-Exercise4 manasitayade$ ls
[Manasis-MacBook-Pro:PT-Exercise4 manasitayade$ git status
On branch master

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)
[Manasis-MacBook-Pro:PT-Exercise4 manasitayade$ cat .gitignore
[Manasis-MacBook-Pro:PT-Exercise4 manasitayade$ cat .gitignore *.exe *.o *.jar */
cat: *.exe: No such file or directory
cat: *.o: No such file or directory
cat: *.jar: No such file or directory
cat: */: No such file or directory
[Manasis-MacBook-Pro:PT-Exercise4 manasitayade$ cat .exe
cat: .exe: No such file or directory
[Manasis-MacBook-Pro:PT-Exercise4 manasitayade$ ls -la
total 0
drwxr-xr-x  4 manasitayade staff 128 Apr 18 16:01 .
drwxr-xr-x  7 manasitayade staff 224 Apr 18 15:59 ..
drwxr-xr-x  9 manasitayade staff 288 Apr 18 16:02 .git
-rw-r--r--  1 manasitayade staff     0 Apr 18 16:01 .gitignore
```

Exercise 5: Save your work with stash.

Task:

- Initialize your Repository: git init Exercise-5
- Add some random files with code
- Now use git stash command to save required files from above files.

```
[Manasis-MacBook-Pro:Desktop manasitayade$ cd PT-Exercises
[Manasis-MacBook-Pro:PT-Exercises manasitayade$ ls
PT-Exercise1    PT-Exercise2    PT-Exercise3    PT-Exercise4    PT-Exercise5
[Manasis-MacBook-Pro:PT-Exercises manasitayade$ cd PT-Exercise5
[Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ ls
plant.html      random.html
[Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ echo "This is an animal.html file" > animal.html
Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ git status
On branch master

No commits yet

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

nothing added to commit but untracked files present (use "git add" to track)
[Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ git log
fatal: your current branch 'master' does not have any commits yet
[Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ git add .
[Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ git status
On branch master

No commits yet

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

[Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ git stash
You do not have the initial commit yet
[Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ git commit -m "Adding html files"
[master (root-commit) 561a600] Adding html files
 3 files changed, 3 insertions(+)
 create mode 100644 animal.html
 create mode 100644 plant.html
 create mode 100644 random.html
[Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ git log
commit 561a6008728b32e79a5a4fd796d13502bfe5bbac (HEAD -> master)
Author: Mansi <mt95310n@pace.edu>
Date:   Sun Apr 18 16:16:54 2021 -0400

    Adding html files
[Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ git stash
No local changes to save
[Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ git stash apply
No stash entries found.
[Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ git stash
No local changes to save
[Manasis-MacBook-Pro:PT-Exercise5 manasitayade$ git stash list
```

Exercise 6: Reset Previous Commit Keeping changes. (Soft Reset)

Task:

- Initialize your Repository: git init Exercise-6.
- Do some series of commits.
- Now use git reset command to reset one of the commits and keep changes in staging area.

In answer also add output of git status command.

```
Last login: Sun Apr 18 17:12:46 on ttys000
The default interactive shell is now zsh.
To update your account to use zsh, please run `chsh -s /bin/zsh`.
For more details, please visit https://support.apple.com/kb/HT208050.
[Manasis-MacBook-Pro: manasitayade$ cd Desktop
[Manasis-MacBook-Pro:Desktop manasitayade$ cd PT-Exercises
[Manasis-MacBook-Pro:PT-Exercises manasitayade$ cd PT-Exercise6
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ ls -a
. ..
.DS_Store .git
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ rm .DS_Store
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ ls -a
. ...
.git
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ echo "this is an index file" > index.html
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ echo "this is an about file" > about.html
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ git add .
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ git commit -m "adding both files"
[master 05a9bb5f] adding both files
 2 files changed, 1 insertion(+)
 create mode 100644 about.html
 delete mode 100644 demo.html
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ echo "this is intro file" > intro.html
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ git add .
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ git commit -m "adding intro file"
[master 546c04d] adding intro file
 1 file changed, 1 insertion(+)
 create mode 100644 intro.html
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ ls
about.html index.html intro.html
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ git reset --soft HEAD
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ git reset --soft HEAD~1
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:  intro.html
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ ]
```

Exercise 7: Reset Previous Commit (Hard Reset).

Task:

- Initialize your Repository: git init Exercise-7.
- Do some series of commits.
- Use git reset command to reset one of the commit without keeping changes.

```
[Manasis-MacBook-Pro:PT-Exercise6 manasitayade$ cd ..
[Manasis-MacBook-Pro:PT-Exercises manasitayade$ mkdir PT-Exercise7
[Manasis-MacBook-Pro:PT-Exercises manasitayade$ cd PT-Exercise7
[Manasis-MacBook-Pro:PT-Exercise7 manasitayade$ git init
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/manasitayade/Desktop/PT-Exercises/PT-Exercise7/.git/
[Manasis-MacBook-Pro:PT-Exercise7 manasitayade$ ls -a
..
.git
[Manasis-MacBook-Pro:PT-Exercise7 manasitayade$ echo "This is first file" > first.html
[Manasis-MacBook-Pro:PT-Exercise7 manasitayade$ git add first.html
[Manasis-MacBook-Pro:PT-Exercise7 manasitayade$ git commit -m "adding first file"
[Master (root-commit) 752fdee] adding first file
 1 file changed, 1 insertion(+)
 create mode 100644 first.html
[Manasis-MacBook-Pro:PT-Exercise7 manasitayade$ echo "This is second file" > second.html
[Manasis-MacBook-Pro:PT-Exercise7 manasitayade$ git add second.html
[Manasis-MacBook-Pro:PT-Exercise7 manasitayade$ git commit -m "adding second file"
[Master 578e6a7] adding second file
 1 file changed, 1 insertion(+)
 create mode 100644 second.html
[Manasis-MacBook-Pro:PT-Exercise7 manasitayade$ git log
commit 578e6a7f66038614fa1d5ab6f83346a7b72fbc (HEAD --> master)
Author: Mansi <mt95310n@pace.edu>
Date:  Sun Apr 18 17:26:56 2021 -0400

  adding second file

commit 752fdee0fad79b696ac73576d398b491aec65520
Author: Mansi <mt95310n@pace.edu>
Date:  Sun Apr 18 17:26:09 2021 -0400

  adding first file
[Manasis-MacBook-Pro:PT-Exercise7 manasitayade$ git reset --hard HEAD~1
HEAD is now at 752fdee adding first file
[Manasis-MacBook-Pro:PT-Exercise7 manasitayade$ git log | cat
commit 752fdee0fad79b696ac73576d398b491aec65520
Author: Mansi <mt95310n@pace.edu>
Date:  Sun Apr 18 17:26:09 2021 -0400

  adding first file
[Manasis-MacBook-Pro:PT-Exercise7 manasitayade$ ]
```

Exercise 8: Merge branch (No Conflicts).

Task:

- Initialize your Repository: git init Exercise-8
- Create index.html file add some code.
- Make Commit.
- Create new branch from master branch with name my-feature.
- Add about-us.html file with code and commit changes in my-feature branch.
- Now checkout master branch.
- Merge my-feature branch into master.

```
hint: Using 'master' as the name for the initial branch. This default branch name
hint: is subject to change. To configure the initial branch name to use in all
hint: of your new repositories, which will suppress this warning, call:
hint:
hint:   git config --global init.defaultBranch <name>
hint:
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and
hint: 'development'. The just-created branch can be renamed via this command:
hint:
hint:   git branch -m <name>
Initialized empty Git repository in /Users/manasitayade/Desktop/PT-Exercises/PT-Exercise8/.git/
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ ls -a
. ..
.git
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ echo "This is an index file" > index.html
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git add .
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git status
On branch master

No commits yet

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

[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git commit -m "Adding index file"
[master (root-commit) ee87953] Adding index file
  1 file changed, 1 insertion(+)
  create mode 100644 index.html
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git branch my-feature
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git branch
* master
  my-feature
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git checkout my-feature
Switched to branch 'my-feature'
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git branch
  master
* my-feature
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ echo "This is about-us file" > about-us.html
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ ls -a
. ..
.git      about-us.html  index.html
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git add .
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git status
On branch my-feature
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   about-us.html

[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git commit -m "adding about-us file"
[my-feature 9ffd8c8] adding about-us file
  1 file changed, 1 insertion(+)
  create mode 100644 about-us.html
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git checkout master
Switched to branch 'master'
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git branch
* master
  my-feature
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ git merge my-feature
Updating ee87953..9ffd8c8
Fast-forward
  about-us.html | 1 +
  1 file changed, 1 insertion(+)
  create mode 100644 about-us.html
[Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ ]
```

Exercise 9: Merge branch (Conflicts).

Task:

- Initialize your Repository: git init Exercise-9
- Create index.html file add some code.
- Make Commit.
- Create new branch from master branch with name my-feature.
- Add about-us.html file with code
- Make changes in index.html
- Commit changes in my-feature branch.
- Now checkout master branch.
- Do some code changes in index.html
- Commit changes.
- Now merge my-feature branch into master.
- You will get conflicts for index.html file. Resolve conflict by selecting both changes for the same index.html file.

```
|Manasis-MacBook-Pro:PT-Exercise8 manasitayade$ cd ..  
|Manasis-MacBook-Pro:PT-Exercises manasitayade$ mkdir PT-Exercise9  
|Manasis-MacBook-Pro:PT-Exercises manasitayade$ cd PT-Exercise9  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git init  
hint: Using 'master' as the name for the initial branch. This default branch name  
hint: is subject to change. To configure the initial branch name to use in all  
hint: of your new repositories, which will suppress this warning, call:  
hint:  
hint:   git config --global init.defaultBranch <name>  
hint:  
hint: Names commonly chosen instead of 'master' are 'main', 'trunk' and  
hint: 'development'. The just-created branch can be renamed via this command:  
hint:  
hint:   git branch -m <name>  
Initialized empty Git repository in /Users/manasitayade/Desktop/PT-Exercises/PT-Exercise9/.git/  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ ls -a  
.  ..  .git  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ echo "This is index file" > index.html  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git add .  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git commit -m "index file"  
[master (root-commit) c4cd535] index file  
 1 file changed, 1 insertion(+)  
  create mode 100644 index.html  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git branch  
* master  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git branch my-feature  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git branch  
* master  
my-feature  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git checkout my-feature  
Switched to branch 'my-feature'  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git branch  
  master  
* my-feature  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ echo "This is about-us file" > about-us.html  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git add .  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git commit -m "about-us file"  
[my-feature 9efaaabd] about-us file  
 1 file changed, 1 insertion(+)  
  create mode 100644 about-us.html  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git status  
On branch my-feature  
nothing to commit, working tree clean  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git reset --soft HEAD~1  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git status  
On branch my-feature  
Changes to be committed:  
  (use "git restore --staged <file>..." to unstage)  
    new file:   about-us.html  
  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git restore --staged about-us.html  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git status  
On branch my-feature  
Untracked files:  
  (use "git add <file>..." to include in what will be committed)  
    about-us.html  
  
nothing added to commit but untracked files present (use "git add" to track)  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ ls -a  
.  ..  .git  about-us.html  index.html  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ vim index.html  
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git status  
On branch my-feature
```

```
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ ls -a
.          ..          .git          about-us.html    index.html
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ vim index.html
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ 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-us.html

no changes added to commit (use "git add" and/or "git commit -a")
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git add .
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git commit -m "adding modified index and about-us in my-feature branch"
[my-feature 26c5969] adding modified index and about-us in my-feature branch
 2 files changed, 3 insertions(+), 1 deletion(-)
  create mode 100644 about-us.html
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git status
On branch my-feature
nothing to commit, working tree clean
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git checkout master
Switched to branch 'master'
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git branch
* master
  my-feature
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ ls
index.html
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ vim index.html
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ 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")
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git add .
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git commit -m "modified index.html in master branch"
[master 855e9e4] modified index.html in master branch
 1 file changed, 2 insertions(+), 1 deletion(-)
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git branch
* master
  my-feature
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ 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.
|Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git diff
diff --cc index.html
index cd1d171,388929b..0000000
--- a/index.html
+++ b/index.html
@@@ -1,2 -1,2 +1,7 @@@
++<<<<< HEAD
+This is index file.
+adding few lines
+=====
+ This is index file. Adding another line of code.
+
++>>>>> my-feature
```

```
+++>>>>> my-feature
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git diff | cat
diff --cc index.html
index cd1d171,388929b..0000000
--- a/index.html
+++ b/index.html
@@@ -1,2 -1,2 +1,7 @@@
+<<<<<< HEAD
+This is index file.
+addding few lines
=====
+ This is index file. Adding another line of code.
+
+++>>>>> my-feature
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git mergetool

This message is displayed because 'merge.tool' is not configured.
See 'git mergetool --tool-help' or 'git help config' for more details.
'git mergetool' will now attempt to use one of the following tools:
tortoisediff emerge vimdiff nvimdiff
Merging:
index.html

Normal merge conflict for 'index.html':
 {local}: modified file
 {remote}: modified file
Hit return to start merge resolution tool (vimdiff): git config merge.tool vimdiff
4 files to edit
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git config merge.conflictstyle diff3
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git config mergetool.prompt false
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git mergetool
```

```
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ 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

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

[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git branch
* master
  my-feature
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git add .
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git commit -m "Conflict Resolved"
[master e907b03] Conflict Resolved
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git status
On branch master
nothing to commit, working tree clean
Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ █
```

```
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git branch
* master
  my-feature
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git checkout my-feature
Switched to branch 'my-feature'
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ cat index.html
This is index file. Adding another line of code.

[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ git checkout master
Switched to branch 'master'
[Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ cat index.html
<<<<< HEAD

This is index file.
adding few lines
=====
This is index file. Adding another line of code.

>>>>> my-feature
Manasis-MacBook-Pro:PT-Exercise9 manasitayade$ █
```