

```
home@anuraag:~/Documents/python-consultadd$  
--> mkdir Exercise-1 && cd Exercise-1  
home@anuraag:~/Documents/python-consultadd/Exercise-1$  
--> git init  
Initialized empty Git repository in /home/home/Documents/python-consultadd/Exercise-1/.git/  
home@anuraag:~/Documents/python-consultadd/Exercise-1$  
--> ls -a  
.  ..  .git  
home@anuraag:~/Documents/python-consultadd/Exercise-1$  
--> cat >> index.html <<EOF  
> <p>Hello, World!!</p>  
> EOF  
home@anuraag:~/Documents/python-consultadd/Exercise-1$  
--> ls index.html  
index.html  
home@anuraag:~/Documents/python-consultadd/Exercise-1$  
--> git add index.html  
home@anuraag:~/Documents/python-consultadd/Exercise-1$  
--> git commit -m "Initial Message"  
[master (root-commit) de48896] Initial Message  
1 file changed, 1 insertion(+)  
create mode 100644 index.html
```

```
home@anuraag:~/Documents/python-consultadd$
--> mkdir Exercise-2 && cd Exercise-2
home@anuraag:~/Documents/python-consultadd/Exercise-2$
--> git init
Initialized empty Git repository in /home/home/Documents/python-consultadd/Exercise-2/.git/
home@anuraag:~/Documents/python-consultadd/Exercise-2$
--> cat >> index.html <<EOF
<p>Hello, World!!</p>
EOF
home@anuraag:~/Documents/python-consultadd/Exercise-2$
--> cat >> about.html <<EOF
<p>About Exercise-2</p>
EOF
home@anuraag:~/Documents/python-consultadd/Exercise-2$
--> ls
about.html  index.html
home@anuraag:~/Documents/python-consultadd/Exercise-2$
--> git add index.html
home@anuraag:~/Documents/python-consultadd/Exercise-2$
--> 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

home@anuraag:~/Documents/python-consultadd/Exercise-2$
--> git commit -m "File index.html added"
[master (root-commit) 31f6d03] File index.html added
1 file changed, 1 insertion(+)
create mode 100644 index.html
```

```
home@anuraag:~/Documents/python-consultadd$
--> git init Exercise-3 && cd Exercise-3
Initialized empty Git repository in /home/home/Documents/python-con
se-3/.git/
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> cat >> index.html <<EOF
<p>Hello, World!!</p>
EOF
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> git add index.html
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> git commit -m "adding index.html"
[master (root-commit) 3de9598] adding index.html
1 file changed, 1 insertion(+)
create mode 100644 index.html
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> cat >> about.html <<EOF
<p>About Exercise-3</p>
EOF
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> git add about.html
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> git commit -m "Adding index.html and about.html" --amend
[master 454b56f] Adding index.html and about.html
Date: Thu Apr 8 15:06:05 2021 -0500
2 files changed, 2 insertions(+)
create mode 100644 about.html
create mode 100644 index.html
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> git log
commit 454b56f140604ad838d48c3783d0c48630f2b8c0 (HEAD -> master)
Author: anuraag <anuraag.rijal@oneaib.com>
Date: Thu Apr 8 15:06:05 2021 -0500

    Adding index.html and about.html
```

```
home@anuraag:~/Documents/python-consultadd$  
--> mkdir Exercise-4 && cd Exercise-4  
home@anuraag:~/Documents/python-consultadd/Exercise-4$  
--> git init  
Initialized empty Git repository in /home/home/Documents/python-consultadd/Exercise-4/.git/  
home@anuraag:~/Documents/python-consultadd/Exercise-4$  
--> cat >> .gitignore <<EOF  
*.exe  
*.o  
> *.jar  
> libraries/  
> EOF  
home@anuraag:~/Documents/python-consultadd/Exercise-4$  
--> cat .gitignore  
*.exe  
*.o  
*.jar  
libraries/
```

```
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> ls
about.html  index.html
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> git status
On branch master
nothing to commit, working tree clean
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> cat >> random <<EOF
random
EOF
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> git stash
No local changes to save
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> git add random
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> git stash
Saved working directory and index state WIP on master: d307abc Adding
tml and about.html
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> git status
On branch master
nothing to commit, working tree clean
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> ls
about.html  index.html
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> git stash list
stash@{0}: WIP on master: d307abc Adding index.html and about.html
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> git stash pop
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   random

Dropped refs/stash@{0} (dc748c74ea8f35664e900591a5cfe07030193581)
home@anuraag:~/Documents/python-consultadd/Exercise-3$
--> ls
about.html  index.html  random
```

```
home@anuraag:~/Documents/python-consultadd/Exercise-6$
--> git init
Initialized empty Git repository in /home/home/Documents/python-consultadd/Exercise-6/.git/
home@anuraag:~/Documents/python-consultadd/Exercise-6$
--> echo "hello" > hello.txt
home@anuraag:~/Documents/python-consultadd/Exercise-6$
--> git add hello.txt
home@anuraag:~/Documents/python-consultadd/Exercise-6$
--> git commit -m "initial commit"
[master (root-commit) 85d128a] initial commit
1 file changed, 1 insertion(+)
create mode 100644 hello.txt
home@anuraag:~/Documents/python-consultadd/Exercise-6$
--> echo "hello again" > hello-again.txt
home@anuraag:~/Documents/python-consultadd/Exercise-6$
--> git add hello-again.txt
home@anuraag:~/Documents/python-consultadd/Exercise-6$
--> git commit -m "second commit"
[master 4ab8eaf] second commit
1 file changed, 1 insertion(+)
create mode 100644 hello-again.txt
home@anuraag:~/Documents/python-consultadd/Exercise-6$
--> git status
On branch master
nothing to commit, working tree clean
home@anuraag:~/Documents/python-consultadd/Exercise-6$
--> git log
commit 4ab8eaf18064d0854c3c68252591016d36764167 (HEAD -> master)
Author: anuraag <anuraag.rijal@oneaib.com>
Date: Thu Apr 8 14:21:20 2021 -0500

    second commit

commit 85d128a4efb491bb316da121c747081834040111
Author: anuraag <anuraag.rijal@oneaib.com>
Date: Thu Apr 8 14:20:49 2021 -0500

    initial commit
home@anuraag:~/Documents/python-consultadd/Exercise-6$
--> git reset 85d128a4efb491bb316da121c747081834040111
home@anuraag:~/Documents/python-consultadd/Exercise-6$
--> git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    hello-again.txt

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

```
home@anuraag:~/Documents/python-consultadd$
--> mkdir Exercise-7 && cd Exercise-7
home@anuraag:~/Documents/python-consultadd/Exercise-7$
--> git init
Initialized empty Git repository in /home/home/Documents/python-consu
ercise-7/.git/
home@anuraag:~/Documents/python-consultadd/Exercise-7$
--> echo "hello" > hello.txt
home@anuraag:~/Documents/python-consultadd/Exercise-7$
--> git add hello.txt
home@anuraag:~/Documents/python-consultadd/Exercise-7$
--> git commit -m "initial commit"
[master (root-commit) 96dbfe7] initial commit
1 file changed, 1 insertion(+)
create mode 100644 hello.txt
home@anuraag:~/Documents/python-consultadd/Exercise-7$
--> echo "hello again" > hello-again.txt
home@anuraag:~/Documents/python-consultadd/Exercise-7$
--> git add hello-again.txt
home@anuraag:~/Documents/python-consultadd/Exercise-7$
--> git commit -m "second commit"
[master 4477b3a] second commit
1 file changed, 1 insertion(+)
create mode 100644 hello-again.txt
home@anuraag:~/Documents/python-consultadd/Exercise-7$
--> git log
commit 4477b3a2f8f0b2c4afd8dfa44bd47eb1e7390857 (HEAD -> master)
Author: anuraag <anuraag.rijal@oneaib.com>
Date: Thu Apr 8 14:23:39 2021 -0500

    second commit

commit 96dbfe78b11ab6c37d8995b2b0b65d5591971e1a
Author: anuraag <anuraag.rijal@oneaib.com>
Date: Thu Apr 8 14:23:22 2021 -0500

    initial commit
home@anuraag:~/Documents/python-consultadd/Exercise-7$
--> git reset 96dbfe78b11ab6c37d8995b2b0b65d5591971e1a --hard
HEAD is now at 96dbfe7 initial commit
home@anuraag:~/Documents/python-consultadd/Exercise-7$
--> ls
hello.txt
```

```
home@anuraag:~/Documents/python-consultadd$
--> mkdir Exercise-8 && cd Exercise-8
home@anuraag:~/Documents/python-consultadd/Exercise-8$
--> git init
Initialized empty Git repository in /home/home/Documents/python-consultadd/Exercise-8/.git/
home@anuraag:~/Documents/python-consultadd/Exercise-8$
--> cat >> index.html <<EOF
> <p>Hello, World!!</p>
> EOF
home@anuraag:~/Documents/python-consultadd/Exercise-8$
--> git add index.html
home@anuraag:~/Documents/python-consultadd/Exercise-8$
--> git commit -m "initial commit"
[master (root-commit) 0b97469] initial commit
1 file changed, 1 insertion(+)
create mode 100644 index.html
home@anuraag:~/Documents/python-consultadd/Exercise-8$
--> git branch my-feature
home@anuraag:~/Documents/python-consultadd/Exercise-8$
--> git checkout my-feature
Switched to branch 'my-feature'
home@anuraag:~/Documents/python-consultadd/Exercise-8$
--> cat >> about-us.html <<EOF
<p>About Exercise-8</p>
EOF
home@anuraag:~/Documents/python-consultadd/Exercise-8$
--> git add about-us.html
home@anuraag:~/Documents/python-consultadd/Exercise-8$
--> git commit -m "Added about-us.html file"
[my-feature 22abe14] Added about-us.html file
1 file changed, 1 insertion(+)
create mode 100644 about-us.html
home@anuraag:~/Documents/python-consultadd/Exercise-8$
--> git checkout master
Switched to branch 'master'
home@anuraag:~/Documents/python-consultadd/Exercise-8$
--> git merge my-feature
Updating 0b97469..22abe14
Fast-forward
 about-us.html | 1 +
1 file changed, 1 insertion(+)
create mode 100644 about-us.html
home@anuraag:~/Documents/python-consultadd/Exercise-8$
--> ls
about-us.html  index.html
```



```
home@anuraag:~/Documents/python-consultadd$
--> git init Exercise-9 && cd Exercise-9
Initialized empty Git repository in /home/home/Documents/p
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> echo "html code snippet" > index.html
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> git add index.html
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> git commit -m "added index.html file"
[master (root-commit) 920d241] added index.html file
1 file changed, 1 insertion(+)
create mode 100644 index.html
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> git checkout -b my-feature
Switched to a new branch 'my-feature'
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> echo "about Exercise-9" > about-us.html
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> echo "html code snippet for my-feature" >> index.html
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> git add .
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> git commit -m "changes"
[my-feature 567f86c] changes
2 files changed, 2 insertions(+)
create mode 100644 about-us.html
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> git checkout master
Switched to branch 'master'
```

```
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> echo "html code snippet for master" >> index.html
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> git add index.html
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> git commit -m "changes to index.html"
[master f400b5a] changes to index.html
1 file changed, 1 insertion(+)
home@anuraag:~/Documents/python-consultadd/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.
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> vim index.html
home@anuraag:~/Documents/python-consultadd/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

home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> git add index.html
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> git commit -m "Merge conflict resolved for index.html"
[master 1262a8c] Merge conflict resolved for index.html
home@anuraag:~/Documents/python-consultadd/Exercise-9$
--> git merge my-feature
Already up to date.
```