

Exercise-1

```
MINGW64/c/Users/rajesh/Desktop/GitAssignments1/Exercise01
rajesh@RubsLenovo MINGW64 ~ (master)
$ cd Desktop
rajesh@RubsLenovo MINGW64 ~/Desktop (master)
$ mkdir GitAssignments1
rajesh@RubsLenovo MINGW64 ~/Desktop (master)
$ cd GitAssignments1
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1 (master)
$ mkdir Exercise01
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1 (master)
$ cd Exercise01
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise01 (master)
$ git init
Initialized empty Git repository in C:/Users/rajesh/Desktop/GitAssignments1/Exercise01/.git/
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise01 (master)
$ echo "This is an index file" > index.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise01 (master)
$ ls
index.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise01 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise01 (master)
$ git status
On branch master

No commits yet

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

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise01 (master)
$ git commit -m "Initial Message"
[master (root-commit) 943a08c] Initial Message
 1 file changed, 1 insertion(+)
 create mode 100644 index.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise01 (master)
$
```

Exercise-2

```
MINGW64/c/Users/rajesh/Desktop/GitAssignments1/Exercise02
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise01 (master)
$ cd ..
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1 (master)
$ mkdir Exercise02
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1 (master)
$ cd Exercise02
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise02 (master)
$ git init
Initialized empty Git repository in C:/Users/rajesh/Desktop/GitAssignments1/Exercise02/.git/
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise02 (master)
$ echo "This is an index file" > index.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise02 (master)
$ echo "This is about html file" > about.html
This is about html file about.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise02 (master)
$ ls
index.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise02 (master)
$ echo "This is about html file " > about.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise02 (master)
$ ls
about.html  index.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise02 (master)
$ git add index.html
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise02 (master)
$ 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

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise02 (master)
$ git commit -m "File x added"
[master (root-commit) 6354985] File x added
 1 file changed, 1 insertion(+)
 create mode 100644 index.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise02 (master)
$
```

Exercise-3

```
MINGW64/c/Users/rajesh/Desktop/GitAssignments1/Exercise03
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1 (master)
$ mkdir Exercise03

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1 (master)
$ cd Exercise03

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ git init
Initialized empty Git repository in C:/Users/rajesh/Desktop/GitAssignments1/Exercise03/.git/

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ echo "This is an index file" > index.html

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ 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)

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ git add .
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ git commit -m "adding index.html"
[master (root-commit) 7331005] adding index.html
1 file changed, 1 insertion(+)
create mode 100644 index.html

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ echo "This is about html file" > about.html

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        about.html
```

```
MINGW64/c/Users/rajesh/Desktop/GitAssignments1/Exercise03
nothing added to commit but untracked files present (use "git add" to track)

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ git commit --amend -m "Adding index.html and about.html"
[master 5d8ae62] Adding index.html and about.html
Date: Fri Apr 9 18:30:05 2021 -0500
1 file changed, 1 insertion(+)
create mode 100644 index.html

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ 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)

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ git add about.html
warning: LF will be replaced by CRLF in about.html.
The file will have its original line endings in your working directory

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   about.html

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ git commit --amend -m "Adding index.html and about.html"
[master 7cf0f0a] Adding index.html and about.html
Date: Fri Apr 9 18:30:05 2021 -0500
2 files changed, 2 insertions(+)
create mode 100644 about.html
create mode 100644 index.html

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$ git status
On branch master
nothing to commit, working tree clean

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise03 (master)
$
```

Exercise-4

```
MINGW64/c/Users/rajesh/Desktop/GitAssignments1/Exercise04
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise04 (master)
$ git init
Initialized empty Git repository in C:/Users/rajesh/Desktop/GitAssignments1/Exercise04/.git/

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise04 (master)
$ touch .gitignore

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise04 (master)
$ ls
a.exe  b.o  c.jar

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise04 (master)
$ 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)
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise04 (master)
$ ./a
bash: ./a: No such file or directory

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise04 (master)
$ cat .gitignore
".exe"
".o"
".jar"

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise04 (master)
$ cat .gitignore
".exe"
".o"
".jar"

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise04 (master)
$ 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)
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise04 (master)
```

Exercise-5

```
MINGW64/c/Users/rajesh/Desktop/GitAssignments1/Exercise05
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise05 (master)
$ git commit -m "Added index file"
[master (root-commit) 3414adc] Added index file
1 file changed, 2 insertions(+)
create mode 100644 index.html

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise05 (master)
$ git log
commit 3414adca8e75b5a3a565fb8ce711e79ed16b46c5 (HEAD -> master)
Author: Rubina Masal <masalrnb@gmail.com>
Date:   Fri Apr 9 21:30:02 2021 -0500

    Added index file

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise05 (master)
$ git stash
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory
Saved working directory and index state WIP on master: 3414adc Added index file

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise05 (master)
$ git stash apply
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")

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise05 (master)
$ git stash
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory
Saved working directory and index state WIP on master: 3414adc Added index file

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise05 (master)
$ git stash list
stash@0: WIP on master: 3414adc Added index file
stash@1: WIP on master: 3414adc Added index file

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise05 (master)
$ git stash apply 1
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")
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise05 (master)
$ |
```

Exercise-6

```
MINGW64:/c/Users/rajesh/Desktop/GitAssignments1/Exercise06
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)
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise06 (master)
$ git add .
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise06 (master)
$ git commit -m "Adding index and about file"
[master (root-commit) 191e923] Adding index and about file
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 about.html
create mode 100644 index.html
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise06 (master)
$ touch demo.html
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise06 (master)
$ git add .
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise06 (master)
$ git commit -m "Adding demo file"
[master 6fd3aeb] Adding demo file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 demo.html
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise06 (master)
$ git status
On branch master
nothing to commit, working tree clean
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise06 (master)
$ git reset --soft HEAD
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise06 (master)
$ git reset --soft HEAD~1
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise06 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   demo.html
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise06 (master)
$ |
```

Exercise-7

```
MINGW64:/c/Users/rajesh/Desktop/GitAssignments1/Exercise07
$ ls
about.html  index.html
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise07 (master)
$ git add .
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise07 (master)
$ git commit -m "Adding index and html file"
[master (root-commit) 7dfd5f4] Adding index and html file
2 files changed, 0 insertions(+), 0 deletions(-)
create mode 100644 about.html
create mode 100644 index.html
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise07 (master)
$ touch demo.html
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise07 (master)
$ git add .
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise07 (master)
$ git commit -m "Added demo file"
[master 8a75959] Added demo file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 demo.html
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise07 (master)
$ git log
commit 8a75959f726986ec72ce1af71090b2aaeed153bf (HEAD -> master)
Author: Rubina Masal <masalrnb@gmail.com>
Date:   Fri Apr 9 20:32:48 2021 -0500

    Added demo file

commit 7dfd5f4736c552f2948e5ed7764e4374831a931f
Author: Rubina Masal <masalrnb@gmail.com>
Date:   Fri Apr 9 20:32:13 2021 -0500

    Adding index and html file
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise07 (master)
$ git reset --hard HEAD~1
HEAD is now at 7dfd5f4 Adding index and html file
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise07 (master)
$ git log | cat
commit 7dfd5f4736c552f2948e5ed7764e4374831a931f
Author: Rubina Masal <masalrnb@gmail.com>
Date:   Fri Apr 9 20:32:13 2021 -0500

    Adding index and html file
rajesh@RubinsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise07 (master)
$
```

Exercise-8

```
MINGW64:/c/Users/rajesh/Desktop/GitAssignments1/Exercise08
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1 (master)
$ mkdir Exercise08
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1 (master)
$ cd Exercise08
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise08 (master)
$ git init
Initialized empty Git repository in C:/Users/rajesh/Desktop/GitAssignments1/Exercise08/.git/
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise08 (master)
$ touch index.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise08 (master)
$ git add .
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise08 (master)
$ git commit -m "Added index file"
[master (root-commit) 0bd09c9] Added index file
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 index.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise08 (master)
$ git checkout -b my-feature
Switched to a new branch 'my-feature'
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise08 (my-feature)
$ echo "This is about html file" > about.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise08 (my-feature)
$ git add .
warning: LF will be replaced by CRLF in about.html.
The file will have its original line endings in your working directory
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise08 (my-feature)
$ git commit -m "Added about file"
[my-feature b72925] Added about file
1 file changed, 1 insertion(+)
create mode 100644 about.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise08 (my-feature)
$ git checkout master
Switched to branch 'master'
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise08 (master)
$ git merge my-feature
Updating 0bd09c9..0a72925
fast-forward
 about.html | 1 +
 1 file changed, 1 insertion(+)
create mode 100644 about.html
```

Exercise-9

```
MINGW64:/c/Users/rajesh/Desktop/GitAssignments1/Exercise09
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1 (master)
$ mkdir Exercise09
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1 (master)
$ cd Exercise09
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master)
$ git init
Initialized empty Git repository in C:/Users/rajesh/Desktop/GitAssignments1/Exercise09/.git/
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master)
$ echo "This is an index file" > index.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master)
$ git add .
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master)
$ git commit -m "Added index file"
[master (root-commit) c1562d6] Added index file
1 file changed, 1 insertion(+)
create mode 100644 index.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master)
$ git checkout -b my-feature
Switched to a new branch 'my-feature'
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (my-feature)
$ echo "This is about file" > about.html
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (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")
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (my-feature)
$ git add .
warning: LF will be replaced by CRLF in index.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in about.html.
The file will have its original line endings in your working directory
```

MINGW64/c/Users/rajesh/Desktop/GitAssignments1/Exercise09

```
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (my-feature)
$ git commit -m "Added index and html file"
[my-feature 3b8cb92] Added index and html file
2 files changed, 2 insertions(+)
create mode 100644 about.html

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (my-feature)
$ git checkout master
Switched to branch 'master'

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (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")

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master)
$ git add .
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master)
$ git commit -m "Code changes in index file"
[master c5f87f0] Code changes in index file
1 file changed, 1 insertion(+)

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master)
$ 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.

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master|MERGING)
$ git diff
diff --cc index.html
index 86735b3..4bd94a7..0000000
--- a/index.html
+++ b/index.html
@@@ -1,2 -1,2 +1,6 @@@
- This is an index file
- Hello world
++++<<<<< HEAD
++Hello world
++++<<<<<<<
+ Hello
++++>>>>>> my-feature

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master|MERGING)
$ git diff | cat
diff --cc index.html
```

MINGW64/c/Users/rajesh/Desktop/GitAssignments1/Exercise09

```
rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master|MERGING)
$ git diff | cat
diff --cc index.html
index 86735b3..4bd94a7..0000000
--- a/index.html
+++ b/index.html
@@@ -1,2 -1,2 +1,6 @@@
- This is an index file
- Hello world
++++<<<<< HEAD
++Hello world
++++<<<<<<<
+ Hello
++++>>>>>> my-feature

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master|MERGING)
$ git add .

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master|MERGING)
$ git commit -m
error: switch -m requires a value

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master|MERGING)
$ git commit -m "updated index file"
>
> \
> q
> :q
> exit
>
bash: git commit -m "updated index file"

\
q
:q

exit
: No such file or directory

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master|MERGING)
$ git commit -m "updated index file"
[master f269860] updated index file

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master)
$ git diff

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master)
$ git diff | cat

rajesh@RubsLenovo MINGW64 ~/Desktop/GitAssignments1/Exercise09 (master)
$
```