

EXERCISE 01

Create your first Repository and Commit

Exercise 1: Create your first Commit.

Task Answer:

```
MINGW64:/c:/Users/supri/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master|MERGING)
$ git commit -m "changes committed"
[master 07c059f] changes committed

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ git merge My_Future
Already up to date.

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ git init Exercisel
Initialized empty Git repository in C:/Users/supri/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict/Exercisel/.git/

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ echo "Initial content" >> index.txt

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ git add index.txt
warning: LF will be replaced by CRLF in index.txt.
The file will have its original line endings in your working directory

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ git commit -m "first commit"
[master 279b343] first commit
1 file changed, 1 insertion(+)

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ |
```

EXERCISE 02

Commit only one file

Exercise 2: Commit only one file.

```
MINGW64/c:/Users/supri/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ > about.html

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ ls -l
total 1
-rw-r--r-- 1 supri 197610  0 Feb  6 19:19 about.html
-rw-r--r-- 1 supri 197610 20 Feb  6 19:10 index.html

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ vi about.html

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ cat about.html
This is about file

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (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

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git commit about.html -m "File x added"
warning: LF will be replaced by CRLF in about.html.
The file will have its original line endings in your working directory
[master 8a38507] File x added
 1 file changed, 1 insertion(+)
 create mode 100644 about.html

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ log
bash: log: command not found

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git log
commit 8a38507a46d1bd03fdb33a3945b1baf9ed9a2d01 (HEAD -> master)
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date:   Sat Feb 6 19:22:26 2021 -0600

    File x added

commit 0f0735b933084d04512a52683ce965a5cf23195f
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date:   Sat Feb 6 19:15:34 2021 -0600

    Initial Message

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ |
```

EXERCISE 03

Modify last commit

Exercise 3: Modify last commit.

Task:

```
MINGW64:/c:/Users/supri/OneDrive/desktop/GIT_EXAMPLES/Exercise-1
commit 9205482fdf7fec2c460c666fcacf12bce6df359e (HEAD -> master)
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:49:18 2021 -0600

    added a new line

commit 03d97f0565d94cf341b951505b9c6a6fc41ea25e
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:46:37 2021 -0600

    adding index.html

commit 8a38507a46d1bd03fdb33a3945b1baf9ed9a2d01
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:22:26 2021 -0600

    File x added

commit 0f0735b933084d04512a52683ce965a5cf23195f
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:15:34 2021 -0600

    Initial Message

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git commit --amend -m " Adding index.html and about.html "
[master 10d358c] Adding index.html and about.html
Date: Sat Feb 6 19:49:18 2021 -0600
1 file changed, 2 insertions(+), 1 deletion(-)

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git log
commit 10d358c52fef8658734b8e8684d9b94b33c39c07 (HEAD -> master)
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:49:18 2021 -0600

    Adding index.html and about.html

commit 03d97f0565d94cf341b951505b9c6a6fc41ea25e
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:46:37 2021 -0600

    adding index.html

commit 8a38507a46d1bd03fdb33a3945b1baf9ed9a2d01
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:22:26 2021 -0600

    File x added

commit 0f0735b933084d04512a52683ce965a5cf23195f
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:15:34 2021 -0600

    Initial Message

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ |
```

EXERCISE 04

Create git ignore file

Exercise 4: Create git ignore file

MINGW64:/c:/Users/supri/OneDrive/desktop/GIT_EXAMPLES/Exercise-1

```
supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ cat .gitignore
*.exe
*.o
*.jar
**/

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git add .gitignore
warning: LF will be replaced by CRLF in .gitignore.
The file will have its original line endings in your working directory

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git commit -m " Added .gitignore"
[master 68673a6] Added .gitignore
1 file changed, 4 insertions(+)
create mode 100644 .gitignore

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ touch a.o b.jar

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ ls -l
total 2
-rw-r--r-- 1 supri 197610  0 Feb  6 20:10 a.o
-rw-r--r-- 1 supri 197610 35 Feb  6 19:47 about.html
-rw-r--r-- 1 supri 197610  0 Feb  6 20:10 b.jar
-rw-r--r-- 1 supri 197610 52 Feb  6 19:45 index.html


supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git status
On branch master
nothing to commit, working tree clean

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ |
```

EXERCISE 05

Save your work with stash

Exercise 5: Save your work with stash.

 MINGW64:/c/Users/supri/OneDrive/desktop/GIT_EXAMPLES/Exercise-1

```
supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ ls -a
./ ../ .git/ .gitignore a.o about.html b.jar index.html

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ > random.txt

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ vi random.txt

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ cat random.txt
This is rnadam file

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git stash save " added random file"
No local changes to save

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git add random.txt
warning: LF will be replaced by CRLF in random.txt.
The file will have its original line endings in your working directory

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git stash save " added random file"
Saved working directory and index state On master:  added random file

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ |
```

EXERCISE 06

Reset Previous Commit Keeping changes. (Soft Reset)

Exercise 6:

MINGW64:/c:/Users/supri/OneDrive/desktop/GIT_EXAMPLES/Exercise-1

```
$ log
bash: log: command not found

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git log
commit 82d10f073ab5d803b26256ec449a9f1724ebae06 (HEAD -> master)
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 20:56:11 2021 -0600

    added fourth line

commit b2384f77e11722d8c0582c030568d8cdd2f10a0d
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 20:53:08 2021 -0600

    added one more line

commit 68673a6a0cf0631eedb7b32b260a68d34b6ab415 (test)
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 20:08:09 2021 -0600

    Added .gitignore

commit 10d358c52fef8658734b8e8684d9b94b33c39c07
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:49:18 2021 -0600

    Adding index.html and about.html

commit 03d97f0565d94cf341b951505b9c6a6fc41ea25e
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:46:37 2021 -0600

    adding index.html

commit 8a38507a46d1bd03fdb33a3945b1baf9ed9a2d01
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:22:26 2021 -0600

    File x added

commit 0f0735b933084d04512a52683ce965a5cf23195f
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:15:34 2021 -0600

    Initial Message
```

```
adding index.html

commit 8a38507a46d1bd03fdb33a3945b1baf9ed9a2d01
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:22:26 2021 -0600

File x added

commit 0f0735b933084d04512a52683ce965a5cf23195f
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:15:34 2021 -0600

Initial Message

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git reset --soft HEAD~1

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git log
commit b2384f77e11722d8c0582c030568d8cdd2f10a0d (HEAD -> master)
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 20:53:08 2021 -0600

adeded one more line

commit 68673a6a0cf0631eedb7b32b260a68d34b6ab415 (test)
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 20:08:09 2021 -0600

Added .gitignore

commit 10d358c52fef8658734b8e8684d9b94b33c39c07
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:49:18 2021 -0600

Adding index.html and about.html

commit 03d97f0565d94cf341b951505b9c6a6fc41ea25e
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:46:37 2021 -0600

adding index.html

commit 8a38507a46d1bd03fdb33a3945b1baf9ed9a2d01
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:22:26 2021 -0600

File x added

commit 0f0735b933084d04512a52683ce965a5cf23195f
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:15:34 2021 -0600


Initial Message

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ |
```



Type here to search



 MINGW64:/c:/Users/supri/OneDrive/desktop/GIT_EXAMPLES/Exercise-1

```
supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        modified:   about.html
```

```
supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/desktop/GIT_EXAMPLES/Exercise-1 (master)
$ |
```


EXERCISE 07

Reset Previous Commit (Hard Reset)

Exercise 7: Reset Previous Commit (Hard Reset).

Task:

MINGW64:/c/Users/supri/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1

```
This is about file
Added new line.
Added second line.
added third line
Added fourth line
This is example of hard reset

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git commit -m " added new line for hard reset"
[master 8f2f1b4] added new line for hard reset
1 file changed, 4 insertions(+), 1 deletion(-)

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git log
commit 8f2f1b4a83c37230548c3d6bb8060166ad03e88d (HEAD -> master)
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 21:03:36 2021 -0600

    added new line for hard reset

commit b2384f77e11722d8c0582c030568d8cdd2f10a0d
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 20:53:08 2021 -0600

    adeded one more line

commit 68673a6a0cf0631eedb7b32b260a68d34b6ab415 (test)
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 20:08:09 2021 -0600

    Added .gitignore

commit 10d358c52fef8658734b8e8684d9b94b33c39c07
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:49:18 2021 -0600

    Adding index.html and about.html

commit 03d97f0565d94cf341b951505b9c6a6fc41ea25e
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:46:37 2021 -0600

    adding index.html

commit 8a38507a46d1bd03fdb33a3945b1baf9ed9a2d01
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:22:26 2021 -0600

    File x added

commit 0f0735b933084d04512a52683ce965a5cf23195f
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:15:34 2021 -0600

    Initial Message

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$
```

```
supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git reset --hard HEAD~1
HEAD is now at b2384f7 adeded one more line

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git log
commit b2384f77e11722d8c0582c030568d8cdd2f10a0d (HEAD -> master)
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 20:53:08 2021 -0600

    adeded one more line

commit 68673a6a0cf0631eedb7b32b260a68d34b6ab415 (test)
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 20:08:09 2021 -0600

    Added .gitignore

commit 10d358c52fef8658734b8e8684d9b94b33c39c07
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:49:18 2021 -0600

    Adding index.html and about.html

commit 03d97f0565d94cf341b951505b9c6a6fc41ea25e
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:46:37 2021 -0600

    adding index.html

commit 8a38507a46d1bd03fdb33a3945b1baf9ed9a2d01
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:22:26 2021 -0600

    File x added

commit 0f0735b933084d04512a52683ce965a5cf23195f
Author: Supriya-sia461 <75336244+Supriya-sia461@users.noreply.github.com>
Date: Sat Feb 6 19:15:34 2021 -0600

    Initial Message

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ |
```

EXERCISE 08

Merge branch (No Conflicts)

Exercise 8: Merge branch (No Conflicts).

Task:

MINGW64:/c/Users/supri/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1

```
supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git log --oneline
b2384f7 (HEAD -> master) added one more line
68673a6 (test) Added .gitignore
10d358c Adding index.html and about.html
03d97f0 adding index.html
8a38507 File x added
0f0735b Initial Message

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git branch
* master
  test

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git checkout -b my-feature
Switched to a new branch 'my-feature'

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (my-feature)
$ git branch
  master
* my-feature
  test

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (my-feature)
$ > about.html

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (my-feature)
$ vi about.html

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (my-feature)
$ cat about.html
This is about file in my future branch

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (my-feature)
$ git checkout master
Switched to branch 'master'
M   about.html

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git merge my-feature
Already up to date.

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ ls -l
total 2
-rw-r--r-- 1 supri 197610  0 Feb  6 20:10 a.o
-rw-r--r-- 1 supri 197610 39 Feb  8 11:43 about.html
-rw-r--r-- 1 supri 197610  0 Feb  6 20:10 b.jar
-rw-r--r-- 1 supri 197610 52 Feb  6 19:45 index.html

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ cat about.html
This is about file in my future branch

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ |
```

```

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ vi index.html

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git commit -m "changes made"
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:   about.html
        modified:   index.html

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

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git checkout my-feature
Switched to branch 'my-feature'
M       about.html
M       index.html

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (my-feature)
$ git branch
  master
* my-feature
  test

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (my-feature)
$ > about-us.htm

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (my-feature)
$ vi about-us.htm

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (my-feature)
$ cat about-us.htm
This file is created for merging the branch

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (my-feature)
$ git commit -m "file created"
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:   about.html
        modified:   index.html

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

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

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (my-feature)
$ git checkout master
Switched to branch 'master'
M       about.html
M       index.html

```

```

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ git merge my-feature
Already up to date.

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ ls -l
total 3
-rw-r--r-- 1 supri 197610  0 Feb  6 20:10 a.o
-rw-r--r-- 1 supri 197610 44 Feb  8 11:52 about-us.htm
-rw-r--r-- 1 supri 197610 39 Feb  8 11:43 about.html
-rw-r--r-- 1 supri 197610  0 Feb  6 20:10 b.jar
-rw-r--r-- 1 supri 197610 74 Feb  8 11:50 index.html

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1 (master)
$ |

```

EXERCISE 09

Merge branch (Conflicts)

Exercise 9: Merge branch (Conflicts).

Task:

Creating conflict

MINGW64;c:/Users/supri/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict

```
supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ echo "this is some content to create conflict" > index.txt

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ git add index.txt
warning: LF will be replaced by CRLF in index.txt.
The file will have its original line endings in your working directory

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ git commit -am "firstcontent"
[master (root-commit) f53ba5e] firstcontent
1 file changed, 1 insertion(+)
create mode 100644 index.txt

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ git checkout -b My_Future
Switched to a new branch 'My_Future'

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (My_Future)
$ echo "New content added to index" > index.txt

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (My_Future)
$ git commit -am "edited the content "
warning: LF will be replaced by CRLF in index.txt.
The file will have its original line endings in your working directory
[My_Future 1db31d5] edited the content
1 file changed, 1 insertion(+), 1 deletion(-)

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (My_Future)
$ git checkout master
Switched to branch 'master'

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ echo "content to add" >> index.txt

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ git commit -am "new content added"
warning: LF will be replaced by CRLF in index.txt.
The file will have its original line endings in your working directory
[master 7aad8eb] new content added
1 file changed, 1 insertion(+)

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ git merge My_Future
Auto-merging index.txt
CONFLICT (content): Merge conflict in index.txt
Automatic merge failed; fix conflicts and then commit the result.

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master|MERGING)
$ |
```

Merge tool before edit

```

MINGW64/c:/Users/supri/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict
C:\Users\supri>git merge
Auto-merging index.txt
CONFLICT (content): Merge conflict in index.txt
Automatic merge failed. Fixing and committing.
C:\Users\supri>git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

Unmerged paths:
  (use "git add" to mark this file to be committed, or "git checkout --" to discard changes)
        index.txt

no changes added to commit (use "git add" and/or "git commit -a")
C:\Users\supri>git merge --abort
C:\Users\supri>git status
On branch master
Your branch is up to date with 'origin/master'.

nothing to commit, working tree clean
C:\Users\supri>git log
commit 1111111111111111111111111111111111111111
Author: supri
Date:   2021-08-02 12:57:00 +0530
    index.txt

commit 2222222222222222222222222222222222222222
Author: supri
Date:   2021-08-02 12:57:00 +0530
    index.txt

commit 3333333333333333333333333333333333333333
Author: supri
Date:   2021-08-02 12:57:00 +0530
    index.txt

commit 4444444444444444444444444444444444444444
Author: supri
Date:   2021-08-02 12:57:00 +0530
    index.txt

commit 5555555555555555555555555555555555555555
Author: supri
Date:   2021-08-02 12:57:00 +0530
    index.txt

commit 6666666666666666666666666666666666666666
Author: supri
Date:   2021-08-02 12:57:00 +0530
    index.txt

commit 7777777777777777777777777777777777777777
Author: supri
Date:   2021-08-02 12:57:00 +0530
    index.txt

commit 8888888888888888888888888888888888888888
Author: supri
Date:   2021-08-02 12:57:00 +0530
    index.txt

commit 9999999999999999999999999999999999999999
Author: supri
Date:   2021-08-02 12:57:00 +0530
    index.txt

commit 0000000000000000000000000000000000000000
Author: supri
Date:   2021-08-02 12:57:00 +0530
    index.txt
C:\Users\supri>git diff
diff --git a/index.txt b/index.txt
new file mode 100644
index 0000000..1111111
--- /dev/null
+++ index.txt
@@ -0,0 +1,1 @@
+index.txt
C:\Users\supri>git commit -m "index.txt"
[master 1111111] index.txt
1 file changed, 1 insertion(+)
create mode 100644 index.txt
C:\Users\supri>git push
Enumerating objects: 1, done.
Writing object: 100% (1/1)
Compressing objects: 100% (1/1)
Compressing and sending: 100% (1/1)
remote: Compressing...
remote: done
remote: Total 1 (delta 0), reused 0 (delta 0), upload pack: 100% (1/1)
remote:
To https://github.com/supri/GIT_EXAMPLES.git
   1111111..2222222 index.txt -> index.txt
C:\Users\supri>
  
```

Conflict resolved

```
MINGW64~/c:/Users/supri/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict
supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master|MERGING)
$ git commit -m "changes committed"
[master 07c059f] changes committed

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ git merge My_Future
Already up to date.

supri@DESKTOP-UKE3MAO MINGW64 ~/OneDrive/Desktop/GIT_EXAMPLES/Exercise-1/git-merge_conflict (master)
$ |
```