

Git katas

Task -Basic commits:

```
Activities Terminal Mar 24 10:07
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "task1file committing"
[master (root-commit) bfc7b6c] task1file committing
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
nothing to commit, working tree clean
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo > "hi good moring . this is first kata"
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
'hi good moring . this is first kata'  task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ rm "hi good moring . this is first kata"
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo > first task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
first  task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ rm first
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo > "hi" task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
hi  task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo hi good morning> task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ 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:  task1file.txt

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

```
Activities Terminal Mar 24 10:08
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git restore <file>... to discard changes in working directory
  modified:  task1file.txt

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

no changes added to commit (use "git add" and/or "git commit -a")
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ rm hi
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ 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:  task1file.txt

no changes added to commit (use "git add" and/or "git commit -a")
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo hi good afternoon> task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:  task1file.txt

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:  task1file.txt

saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "git basic command" task1file.txt
[master b2b464e] git basic command
```

```
Activities Terminal Mar 24 10:08
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ no changes added to commit (use "git add" and/or "git commit -a")
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add task1file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo hi good afternoon> task1file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   task1file.txt

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:   task1file.txt

sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add task1file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "git basic command" task1file.txt
[master b2b464e] git basic command
 1 file changed, 1 insertion(+)
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log
commit b2b464e46b260ac8b3aee5b380519b35d14c2faa (HEAD -> master)
Author: saitejarapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 10:07:02 2022 +0530

    git basic command

commit bfc7b6cbb39788b439430b6743b036601234a3b3
Author: saitejarapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 09:30:51 2022 +0530

task1file committing
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$
```

task (basic staging):

```
Activities Terminal Mar 24 10:39
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch task2file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
task1file.txt task2file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo diff tells us the changes we made> task2file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff --staged
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
task1file.txt task2file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff task2file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff --staged task2file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add task2file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff task2file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff --staged task2file.txt
diff --git a/task2file.txt b/task2file.txt
new file mode 100644
index 0000000..8fa8b45
--- /dev/null
+++ b/task2file.txt
@@ -0,0 +1 @@
+diff tells us the changes we made
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo diff --staged tells us the changes we made in staging area> task2file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff
diff --git a/task2file.txt b/task2file.txt
index 8fa8b45..760a43f 100644
--- a/task2file.txt
+++ b/task2file.txt
@@ -1 +1 @@
-diff tells us the changes we made
+diff --staged tells us the changes we made in staging area
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff --staged task2file.txt
```

```
Activities Terminal Mar 24 10:39
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ -diff tells us the changes we made
+diff --staged tells us the changes we made in staging area
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff --staged task2file.txt
diff --git a/task2file.txt b/task2file.txt
new file mode 100644
index 0000000..8fa8b45
--- /dev/null
+++ b/task2file.txt
@@ -0,0 +1 @@
+diff tells us the changes we made
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:  task2file.txt

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:  task2file.txt

sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git restore --staged task2file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    task2file.txt

nothing added to commit but untracked files present (use "git add" to track)
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add task2file.txt
sairR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "basic staging tasks" task2file.txt
[master 4cf9fce] basic staging tasks
```

```
Activities Terminal Mar 24 10:39
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "basic staging tasks" task2file.txt
[master 4cf9fce] basic staging tasks
 1 file changed, 1 insertion(+)
 create mode 100644 task2file.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log
commit 4cf9fce309f855066cf8c92b29c53e537c10b72a (HEAD -> master)
Author: saitejarapelli <saitjeja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 10:34:15 2022 +0530
  basic staging tasks
A commit b2b464e46b260ac8b3aee5b380519b35d14c2faa
Author: saitejarapelli <saitjeja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 10:07:02 2022 +0530
git basic command
commit bfcb7b6ccb39788b439430b6743b036601234a3b3
Author: saitejarapelli <saitjeja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 09:30:51 2022 +0530
task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo add new files to staging area> task2file.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff
diff --git a/task2file.txt b/task2file.txt
index 760a43f..fa5b248 100644
--- a/task2file.txt
+++ b/task2file.txt
@@ -1 +1 @@
-diff --staged tells us the changes we made in staging area
+add new files to staging area
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
```

```
Activities Terminal Mar 24 10:39
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ commit bfcb7b6ccb39788b439430b6743b036601234a3b3
Author: saitejarapelli <saitjeja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 09:30:51 2022 +0530
  task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo add new files to staging area> task2file.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff
diff --git a/task2file.txt b/task2file.txt
index 760a43f..fa5b248 100644
--- a/task2file.txt
+++ b/task2file.txt
@@ -1 +1 @@
-diff --staged tells us the changes we made in staging area
+add new files to staging area
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ 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:   task2file.txt

no changes added to commit (use "git add" and/or "git commit -a")
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git restore task2file.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ diff task2file.txt
diff: missing operand after 'task2file.txt'
diff: Try 'diff --help' for more information.
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff task2file.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
nothing to commit, working tree clean
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ 
```

task (basics on branching):

```
Activities Terminal Mar 24 11:19
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git branch
* master
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git branch mybranch
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git branch
* master
mybranch
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git switch mybranch
Switched to branch 'mybranch'
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git branch
* master
? mybranch
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git checkout master
Switched to branch 'master'
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git branch
* master
mybranch
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git switch mybranch
Switched to branch 'mybranch'
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch mybranch
nothing to commit, working tree clean
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch file1.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo sai teja> file1.txt
```

```
Activities Terminal Mar 24 11:19
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch file1.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo sai teja> file1.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
: On branch mybranch
: Untracked files:
:   (use "git add <file>..." to include in what will be committed)
:     file1.txt
: A nothing added to commit but untracked files present (use "git add" to track)
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add file1.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "changes in mybranch"
[mybranch 657ff97] changes in mybranch
 1 file changed, 1 insertion(+)
 create mode 100644 file1.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline --graph
* 657ff97 (HEAD -> mybranch) changes in mybranch
* 4cf9fce (master) basic staging tasks
* b2b464e git basic command
* bfc7b6c task1file committing
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git checkout master
Switched to branch 'master'
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$
```

```
Activities Terminal Mar 24 11:19
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ 
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ 
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ 
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch file2.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline --graph -all
* 657ff97 (mybranch) changes in mybranch
* 4cf9fce (HEAD -> master) basic staging tasks
? * b2b464e git basic command
* bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git switch mybranch
Switched to branch 'mybranch'
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff mybranch master
diff --git a/file1.txt b/file1.txt
deleted file mode 100644
index 35eb818..0000000
--- a/file1.txt
+++ /dev/null
@@ -1 +0,0 @@
-sai teja
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ 
```

task (FF merge):

```
Activities Terminal Mar 24 12:17
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git branch
* master
  mybranch
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git branch feature
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git switch feature
Switched to branch 'feature'
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch feature
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    file2.txt
nothing added to commit but untracked files present (use "git add" to track)
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ cat
^C
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ pwd
/home/saitR/documents1/zemoso_assignment/gitkata
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
file2.txt      task2file.txt
task1file.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo GREETINGS >> file2.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add file2.txt
```

```
Activities Terminal Mar 24 12:17
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo GREETINGS >> file2.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add file2.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "updating greetings"
[feature 56f97f9] updating greetings
  1 file changed, 1 insertion(+)
  create mode 100644 file2.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git branch
* feature
  master
  mybranch
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline --graph -all
* 56f97f9 (HEAD -> feature) updating greetings
| * 657ff97 (mybranch) changes in mybranch
|/
* 4cf9fce (master) basic staging tasks
* b2b464e git basic command
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git switch master
Switched to branch 'master'
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ cta
```

```
Activities Terminal Mar 24 12:18
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git switch master
Switched to branch 'master'
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ cta
: Command 'cta' not found, did you mean:
:   command 'sta' from deb opensta (0~20191111gitc018cb2+dfsg-1build1)
:   command 'cat' from deb coreutils (8.30-3ubuntu2)
:   command 'cba' from deb cba (0.3.6-5build1)
:   command 'ctr' from deb containerd (1.5.5-0ubuntu3~20.04.2)
Try: sudo apt install <deb name>
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ cat
^C
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
task1file.txt task2file.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git diff feature master
diff --git a/file2.txt b/file2.txt
deleted file mode 100644
index 6dcaf8c..0000000
--- a/file2.txt
+++ /dev/null
```

```
Activities Terminal Mar 24 12:18
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git merge master feature
: Updating 4cf9fce..56f97f9
: Fast-forward
:   file2.txt | 1 +
:     1 file changed, 1 insertion(+)
:     create mode 100644 file2.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ cat
? ^C
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ cat master
cat: master: No such file or directory
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
file2.txt      task2file.txt
task1file.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ cat file2.txt
GREETINGS
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
file2.txt      task2file.txt
task1file.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git branch -d feature
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status --online --graph
--all
```

3 way merge :

```
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline
9c3536d (HEAD -> master) second.txt
6f84a9c first.txt
8fc754d update task1file
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
nothing to commit, working tree clean
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git branch
* master
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git branch devbranch
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git switch devbranch
Switched to branch 'devbranch'
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch devbranch
nothing to commit, working tree clean
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log
commit 9c3536d4dc1a69d0f0e5d3ce82dd7ec9885e62f5 (HEAD -> devbranch, master)
Author: saitejarapelli <saiteja.rapelli@zemosolabs.com>
Date:   Fri Mar 25 09:34:46 2022 +0530

    second.txt

    third.txt

    fourth.txt

commit 6f84a9c336ef14c2ee9d4232a3c3cba73d10043e
Author: saitejarapelli <saiteja.rapelli@zemosolabs.com>
Date:   Fri Mar 25 09:34:05 2022 +0530

    first.txt

commit 8fc754d5e80faac70fee71273db61ccc7b196dab
Author: saitejarapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 21:30:34 2022 +0530

    update task1file
```

```
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch file5.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo file5 is created> file5.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add file5.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "file 5 is committed" file5.txt
[devbranch b55e0a8] file 5 is committed
 1 file changed, 1 insertion(+)
 create mode 100644 file5.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch file6.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo file6 is created> file6.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add file6.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "file 6 is committed" file6.txt
[devbranch c64b173] file 6 is committed
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 file6.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline
c64b173 (HEAD -> devbranch) file 6 is committed
b55e0a8 file 5 is committed
9c3536d (master) second.txt
6f84a9c first.txt
8fc754d update task1file
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git switch master
error: Your local changes to the following files would be overwritten by checkout:
  file5.txt
Please commit your changes or stash them before you switch branches.
Aborting
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git branch
* devbranch
  master
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git checkout master
error: Your local changes to the following files would be overwritten by checkout:
  file5.txt
Please commit your changes or stash them before you switch branches.
Aborting
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch devbranch
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:   file5.txt

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

```
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline
c64b173 (HEAD -> devbranch) file 6 is committed
b55e0a8 file 5 is committed
9c3536d (master) second.txt
6f84a9c first.txt
8fc754d update task1file
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add file5.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch devbranch
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   file5.txt

saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "file 5 is committed" file5.txt
[devbranch e9d3682] file 5 is committed
 1 file changed, 1 insertion(+), 1 deletion(-)
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch devbranch
nothing to commit, working tree clean
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git checkout master
Switched to branch 'master'
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch file3.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo file3 is created> file3.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add file3.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "file 3 is committed" file3.txt
[master b7d3e29] file 3 is committed
 1 file changed, 1 insertion(+)
 create mode 100644 file3.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline
b7d3e29 (HEAD -> master) file 3 is committed
9c3536d second.txt
6f84a9c first.txt
8fc754d update task1file
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git merge devbranch
Merge made by the 'recursive' strategy.
  file5.txt | 1 +
  file6.txt | 0
  2 files changed, 1 insertion(+)
  create mode 100644 file5.txt
  create mode 100644 file6.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline --graph
*   ab1bb6f (HEAD -> master) Merge branch 'devbranch'
|\ 
| * e9d3682 (devbranch) file 5 is committed
| * c64b173 file 6 is committed
| * b55e0a8 file 5 is committed
* | b7d3e29 file 3 is committed
|/
* 9c3536d second.txt
* 6f84a9c first.txt
* 8fc754d update task1file
* bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ █
```

task (basic revert):

```
Activities Terminal Mar 24 15:05
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch file3.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo hi good morning > file3.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
file2.txt file3.txt task1file.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ cat file3.txt
hi good morning
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add file3.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "updating"
[master 7044a46] updating
A 1 file changed, 1 insertion(+)
create mode 100644 file3.txt
? saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --decorate --oneline
7044a46 (HEAD -> master) updating
e7b8118 Revert "basic staging tasks"
8ec2487 Revert "git basic command"
56f97f9 updating greetings
4cf9fce basic staging tasks
b2b464e git basic command
bfc7b6c task1file committing
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ cat file3.txt
hi good morning
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo hi good afternoon > file3.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add file3.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "changing status"
[master 90b9f88] changing status
1 file changed, 1 insertion(+), 1 deletion(-)
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ cat file3.txt
```

```
Activities Terminal Mar 24 15:05
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch file3.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo hi good afternoon > file3.txt
fatal: bad revision 'file3.txt'
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git revert file3.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --decorate --oneline
90b9f88 (HEAD -> master) changing status
7044a46 updating
e7b8118 Revert "basic staging tasks"
8ec2487 Revert "git basic command"
56f97f9 updating greetings
4cf9fce basic staging tasks
b2b464e git basic command
bfc7b6c task1file committing
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git revert 90b9f88
[master 7d50816] Revert "changing status"
1 file changed, 1 insertion(+), 1 deletion(-)
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ cat file3.txt
hi good morning
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --decorate --oneline
7d50816 (HEAD -> master) Revert "changing status"
90b9f88 changing status
7044a46 updating
e7b8118 Revert "basic staging tasks"
8ec2487 Revert "git basic command"
56f97f9 updating greetings
4cf9fce basic staging tasks
b2b464e git basic command
bfc7b6c task1file committing
```

```
Activities Terminal Mar 24 15:05
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
file2.txt file3.txt task1file.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --decorate --oneline
7d50816 (HEAD -> master) Revert "changing status"
90b9f88 changing status
7044a46 updating
e7b8118 Revert "basic staging tasks"
8ec2487 Revert "git basic command"
56f97f9 updating greetings
4cf9fce basic staging tasks
b2b464e git basic command
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git revert 7d50816
[master 0e170b0] Revert "Revert "changing status"""
 1 file changed, 1 insertion(+), 1 deletion(-)
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --decorate --oneline
0e170b0 (HEAD -> master) Revert "Revert "changing status"""
7d50816 Revert "changing status"
90b9f88 changing status
7044a46 updating
e7b8118 Revert "basic staging tasks"
8ec2487 Revert "git basic command"
56f97f9 updating greetings
4cf9fce basic staging tasks
b2b464e git basic command
bfc7b6c task1file committing
```

task :git reset :

reset are three types , they are soft , mixed ,hard reset.
Mixed reset undo the recent commit to working area.
Soft reset undo the recent commit to staging area.
Hard reset will removefrom working area.

```
Activities Terminal Mar 24 15:38
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git reset --soft HEAD~1
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log
commit 7d50816c74fa37915e10e17d011884f46e9fd6f6 (HEAD -> master)
Author: saitejarapelli <saitjeja.raapelli@zemosolabs.com>
Date: Thu Mar 24 14:59:21 2022 +0530

    Revert "changing status"

This reverts commit 90b9f883fc384ec4fa1a98b3f77a574fd79095bd.

commit 90b9f883fc384ec4fa1a98b3f77a574fd79095bd
Author: saitejarapelli <saitjeja.raapelli@zemosolabs.com>
Date: Thu Mar 24 14:57:58 2022 +0530

    changing status
    ...skipping...
commit 7d50816c74fa37915e10e17d011884f46e9fd6f6 (HEAD -> master)
Author: saitejarapelli <saitjeja.raapelli@zemosolabs.com>
Date: Thu Mar 24 14:59:21 2022 +0530

    Revert "changing status"

This reverts commit 90b9f883fc384ec4fa1a98b3f77a574fd79095bd.

commit 90b9f883fc384ec4fa1a98b3f77a574fd79095bd
Author: saitejarapelli <saitjeja.raapelli@zemosolabs.com>
Date: Thu Mar 24 14:57:58 2022 +0530

    changing status

commit 704aa468a631b440bcb9b124e033bdbcf5a4c6e
Author: saitejarapelli <saitjeja.raapelli@zemosolabs.com>
Date: Thu Mar 24 14:55:58 2022 +0530

    updating

commit e7b811801142164f9972198cdad405f7ab34636c
Author: saitejarapelli <saitjeja.raapelli@zemosolabs.com>
Date: Thu Mar 24 13:23:34 2022 +0530
```

```
Activities Terminal Mar 24 15:38
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata

On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .file2.txt.swp

nothing added to commit but untracked files present (use "git add" to track)
saltR@PF-3JTN67:~/documents1/zemoso_assignment$ git log
commit 7044a468a631b440bcb9b124e033bdbcf5a4c6e (HEAD -> master)
Author: saitejarapelli <saitaja.raepelli@zemosolabs.com>
Date:   Thu Mar 24 14:55:58 2022 +0530

        updating

commit e7b811801142164f9972198cdad405f7ab34636c
Author: saitejarapelli <saitaja.raepelli@zemosolabs.com>
Date:   Thu Mar 24 13:23:34 2022 +0530

        Revert "basic staging tasks"

This reverts commit 4cf9fce309f855066cf8c92b29c53e537c10b72a.
....skipping...
commit 7044a468a631b440bcb9b124e033bdbcf5a4c6e (HEAD -> master)
Author: saitejarapelli <saitaja.raepelli@zemosolabs.com>
Date:   Thu Mar 24 14:55:58 2022 +0530

        updating

commit e7b811801142164f9972198cdad405f7ab34636c
Author: saitejarapelli <saitaja.raepelli@zemosolabs.com>
Date:   Thu Mar 24 13:23:34 2022 +0530

        Revert "basic staging tasks"

This reverts commit 4cf9fce309f855066cf8c92b29c53e537c10b72a.
```

```
Activities Terminal Mar 24 15:38
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git reset HEAD~1
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log
commit e7b811801142164f9972198cdad405f7ab34636c (HEAD -> master)
Author: saitejrapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 13:23:34 2022 +0530

    Revert "basic staging tasks"

This reverts commit 4cf9fce309f855066cf8c92b29c53e537c10b72a.

commit 8ec2487a28003106d3a9c284840ccf71ceab59da
Author: saitejrapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 13:22:38 2022 +0530

    Revert "git basic command"

This reverts commit b2b464e46b260ac8b3aee5b380519b35d14c2faa.

commit 56f97f9ef423482769f422aaeca22b77063ad307
Author: saitejrapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 12:00:27 2022 +0530

    updating greetings

commit 4cf9fce309f855066cf8c92b29c53e537c10b72a
Author: saitejrapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 10:34:15 2022 +0530

    basic staging tasks

commit b2b464e46b260ac8b3aee5b380519b35d14c2faa
Author: saitejrapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 10:07:02 2022 +0530

    git basic command

commit bfc7b6cbb39788b439430b6743b036601234a3b3
```

task : git clean :

git clean -n ,

git clean -f -d

git clean --force -n -d

```
Activities Terminal Mar 24 15:53
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
file2.txt file3.txt taskfile.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .file2.txt.swp
    file3.txt
nothing added to commit but untracked files present (use "git add" to track)
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add *
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
A Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   file3.txt
?
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .file2.txt.swp
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git clean -nn
Would remove .file2.txt.swp
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git clean -n
Would remove .file2.txt.swp
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git clean -n -d
Would remove .file2.txt.swp
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ init folder
Expected single character argument.
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ init folder
Expected single character argument.
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
file2.txt file3.txt taskfile.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ init folder1
Expected single character argument.
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ mkdir folder
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
file2.txt file3.txt folder taskfile.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git clean -n -d
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$
```

```
Activities Terminal Mar 24 15:53
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
file2.txt file3.txt taskfile.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ init folder1
Expected single character argument.
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ mkdir folder
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
file2.txt file3.txt folder taskfile.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git clean -n -d
Would remove .file2.txt.swp
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git clean -f -d
Removing .file2.txt.swp
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
file2.txt file3.txt taskfile.txt
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
A Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   file3.txt
?
saltR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log
commit e7b811801142164f9972198cdad405f7ab34636c (HEAD -> master)
Author: saitejarapelli <saiteja.rapelli@zenosolabs.com>
Date:   Thu Mar 24 13:23:34 2022 +0530
Revert "basic staging tasks"
This reverts commit 4cf9fce309f855066cf8c92b29c53e537c10b72a.
commit 8ec2487a28003106d3a9c284840ccf71ceab59da
Author: saitejarapelli <saiteja.rapelli@zenosolabs.com>
Date:   Thu Mar 24 13:22:38 2022 +0530
Revert "git basic command"
This reverts commit b2b464e46b260ac8b3aee5b380519b35d14c2faa.
commit 56f97f9ef423482769f422aaeca22b77063ad307
Author: saitejarapelli <saiteja.rapelli@zenosolabs.com>
```

task (git amend):

```

saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch bar.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo hello world > touch.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
bar.txt file2.txt file3.txt task1file.txt touch.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add bar.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    modified:   bar.txt
    new file:   file3.txt

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

saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "bar file" bar.txt
[master b969792] bar file
 1 file changed, 1 deletion(-)
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log
commit b96979255205cf1437e70ca0bcd55ba4b5219ba2 (HEAD -> master)
Author: saitejarapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 20:47:04 2022 +0530

  bar file

commit 54b136ec1f785841a71d6acd6803dc9fc13c3240
Author: saitejarapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 17:25:55 2022 +0530

  introduction

```

```

touch.txt

saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add bar.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -amend
error: did you mean `--amend` (with two dashes)?
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit --amend
[master e116cb2] bar file
  Date: Thu Mar 24 20:47:04 2022 +0530
  2 files changed, 2 insertions(+), 1 deletion(-)
  create mode 100644 file3.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log
commit e116cb22b438c659e48ba1c019821ce12364c1af (HEAD -> master)
Author: saitejarapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 20:47:04 2022 +0530

  bar file

commit 54b136ec1f785841a71d6acd6803dc9fc13c3240
Author: saitejarapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 17:25:55 2022 +0530

  introduction

commit e7b811801142164f9972198cdad405f7ab34636c
Author: saitejarapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 13:23:34 2022 +0530

  Revert "basic staging tasks"

  This reverts commit 4cf9fce309f855066cf8c92b29c53e537c10b72a.

commit 8ec2487a28003106d3a9c284840ccf71ceab59da
Author: saitejarapelli <saiteja.rapelli@zemosolabs.com>
Date:   Thu Mar 24 13:22:38 2022 +0530

  Revert "git basic command"

  This reverts commit b2b464e46b260ac8b3aee5b380519b35d14c2faa.
```

task history:

```
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline --graph
* 2f3a797 (HEAD -> master) my info
* 8fc754d update task1file
* bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git reflog
2f3a797 (HEAD -> master) HEAD@{0}: commit: my info
8fc754d HEAD@{1}: commit: update task1file
bfc7b6c HEAD@{2}: reset: moving to HEAD~1
b2b464e HEAD@{3}: reset: moving to HEAD~1
4cf9fce HEAD@{4}: reset: moving to HEAD~1
56f97f9 HEAD@{5}: reset: moving to HEAD~2
e7b8118 HEAD@{6}: reset: moving to HEAD~1
54b136e HEAD@{7}: reset: moving to HEAD~1
e116cb2 HEAD@{8}: commit (amend): bar file
b969792 HEAD@{9}: commit: bar file
54b136e HEAD@{10}: commit (amend): introduction
f431782 HEAD@{11}: commit (amend): introduction
9856785 HEAD@{12}: commit: introduction
e7b8118 HEAD@{13}: reset: moving to HEAD~1
7044a46 HEAD@{14}: reset: moving to HEAD~1
90b9f88 HEAD@{15}: reset: moving to HEAD~1
7d50816 HEAD@{16}: reset: moving to HEAD~1
0e170b0 HEAD@{17}: revert: Revert "Revert "changing status"""
7d50816 HEAD@{18}: revert: Revert "changing status"
90b9f88 HEAD@{19}: commit: changing status
7044a46 HEAD@{20}: commit: updating
e7b8118 HEAD@{21}: checkout: moving from dev1 to master
937eec6 HEAD@{22}: commit: i updated my info
e7b8118 HEAD@{23}: checkout: moving from master to dev1
e7b8118 HEAD@{24}: checkout: moving from dev1 to master
e7b8118 HEAD@{25}: checkout: moving from master to dev1
e7b8118 HEAD@{26}: checkout: moving from dev1 to master
b156de9 HEAD@{27}: checkout: moving from dev2 to dev1
e7b8118 HEAD@{28}: checkout: moving from master to dev2
e7b8118 HEAD@{29}: checkout: moving from dev3 to master
e7b8118 HEAD@{30}: checkout: moving from dev2 to dev3
e7b8118 HEAD@{31}: checkout: moving from dev1 to dev2
b156de9 HEAD@{32}: commit: i updated my info
e7b8118 HEAD@{33}: checkout: moving from master to dev1
e7b8118 HEAD@{34}: checkout: moving from dev1 to master
```

task (squashing):

```
saitR@PF-3JTN67:~$ cd documents1/zemoso_assignment/gitkata/
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
myinfo
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo first >first.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
first.txt myinfo
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ cat first.txt
first
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add first.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "first.txt"
[master c63edbe] first.txt
 1 file changed, 1 insertion(+)
 create mode 100644 first.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo second >second.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add second.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "second.txt"
[master 660f58e] second.txt
 1 file changed, 1 insertion(+)
 create mode 100644 second.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo third >third.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add third.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "third.txt"
[master 5807dea] third.txt
 1 file changed, 1 insertion(+)
 create mode 100644 third.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo fourth >fourth.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add fourth.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "fourth.txt"
[master 6e10432] fourth.txt
 1 file changed, 1 insertion(+)
 create mode 100644 fourth.txt
[detached HEAD e36fd52] second.txt
Date: Fri Mar 25 09:34:46 2022 +0530
3 files changed, 3 insertions(+)
create mode 100644 fourth.txt
create mode 100644 second.txt
create mode 100644 third.txt
Successfully rebased and updated refs/heads/master.
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline
e36fd52 (HEAD -> master) second.txt
c63edbe first.txt
2f3a797 my info
8fc754d update task1file
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
first.txt fourth.txt myinfo second.txt third.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ █
```

task (rebase interactive):

```
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline
e36fd52 (HEAD -> master) second.txt
c63edbe first.txt
2f3a797 my info
8fc754d update task1file
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ^C
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git rebase -i 2f3a797
Successfully rebased and updated refs/heads/master.
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline
e36fd52 (HEAD -> master) second.txt
c63edbe first.txt
2f3a797 my info
8fc754d update task1file
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git rebase -i 8fc754d
Successfully rebased and updated refs/heads/master.
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline
9c3536d (HEAD -> master) second.txt
6f84a9c first.txt
8fc754d update task1file
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$
```

task : stashing:

```
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash
Saved working directory and index state WIP on master: 1367bdd updating tag
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline
1367bdd (HEAD -> master, tag: 1.0.0) updating tag
ab1bb6f Merge branch 'devbranch'
b7d3e29 file 3 is committed
e9d3682 (devbranch) file 5 is committed
c64b173 file 6 is committed
b55e0a8 file 5 is committed
9c3536d second.txt
6f84a9c first.txt
8fc754d update task1file
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ 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:   second.txt

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

no changes added to commit (use "git add" and/or "git commit -a")
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash
Saved working directory and index state WIP on master: 1367bdd updating tag
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash list
stash@{0}: WIP on master: 1367bdd updating tag
stash@{1}: WIP on master: 1367bdd updating tag
stash@{2}: WIP on master: 1367bdd updating tag
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ 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:   second.txt

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

no changes added to commit (use "git add" and/or "git commit -a")
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash apply stash@{0}
error: Your local changes to the following files would be overwritten by merge:
      second.txt
Please commit your changes or stash them before you merge.
Aborting
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash list
stash@{0}: WIP on master: 1367bdd updating tag
stash@{1}: WIP on master: 1367bdd updating tag
stash@{2}: WIP on master: 1367bdd updating tag
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash apply stash@{2}
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
```

```
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash push -m "awesome feature"
Saved working directory and index state On master: awesome feature
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash list
stash@{0}: On master: awesome feature
stash@{1}: WIP on master: 1367bdd updating tag
stash@{2}: WIP on master: 1367bdd updating tag
stash@{3}: WIP on master: 1367bdd updating tag
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash drop stash@{2}
Dropped stash@{2} {9b4ed4edb5c7064d6f4240ca6bb971b81f1819b}
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash list
stash@{0}: On master: awesome feature
stash@{1}: WIP on master: 1367bdd updating tag
stash@{2}: WIP on master: 1367bdd updating tag
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash drop stash@{1}
Dropped stash@{1} {7f84c4fae935534d103fa84078ca9bb37a01311e}
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash list
stash@{0}: On master: awesome feature
stash@{1}: WIP on master: 1367bdd updating tag
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash pop stash@{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:   first.txt

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

no changes added to commit (use "git add" and/or "git commit -a")
Dropped stash@{1} {61e81e6b4b35e2df33decabb5662eddc6aff64ca}
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add first.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "final update" first.txt
[master 45bc791] final update
 1 file changed, 2 insertions(+)
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline
45bc791 (HEAD -> master) final update
1367bdd (tag: 1.0.0) updating tag
ab1bb6f Merge branch 'devbranch'
b7d3e29 file 3 is committed
e9d3682 (devbranch) file 5 is committed
c64b173 file 6 is committed
b55e0a8 file 5 is committed
9c3536d second.txt
6f84a9c first.txt
8fc754d update task1file
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git stash list
stash@{0}: On master: awesome feature
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git
```

task :

gitignore:

```
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch text1.log
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    text1.log

nothing added to commit but untracked files present (use "git add" to track)
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    text1.log

nothing added to commit but untracked files present (use "git add" to track)
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch .gitignore
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls
file3.txt file6.txt fourth.txt text1.log
file5.txt first.txt second.txt third.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ ls -la
total 40
drwxrwxr-x 3 saitR saitR 4096 Mar 25 12:01 .
drwxrwxr-x 4 saitR saitR 4096 Mar 24 10:08 ..
-rw-rw-r-- 1 saitR saitR 17 Mar 25 11:11 file3.txt
-rw-rw-r-- 1 saitR saitR 17 Mar 25 11:14 file5.txt
-rw-rw-r-- 1 saitR saitR 0 Mar 25 11:14 file6.txt
-rw-rw-r-- 1 saitR saitR 6 Mar 25 10:40 first.txt
-rw-rw-r-- 1 saitR saitR 7 Mar 25 10:40 fourth.txt
drwxrwxr-x 8 saitR saitR 4096 Mar 25 11:59 .git
-rw-rw-r-- 1 saitR saitR 0 Mar 25 12:01 .gitignore
-rw-rw-r-- 1 saitR saitR 7 Mar 25 10:40 second.txt
-rw-rw-r-- 1 saitR saitR 16 Mar 25 11:59 text1.log
-rw-rw-r-- 1 saitR saitR 6 Mar 25 10:40 third.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo text1.log > .gitignore
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
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)
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch text6.log
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .gitignore
    text6.log

nothing added to commit but untracked files present (use "git add" to track)
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo text6.log > .gitignore
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
```

```
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo text6.log> .gitignore
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    .gitignore
    text1.log

nothing added to commit but untracked files present (use "git add" to track)
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo text1.log>> .gitignore
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git status
On branch master
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)
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$
```

git tag:

```
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline
ab1bb6f (HEAD -> master) Merge branch 'devbranch'
b7d3e29 file 3 is committed
e9d3682 (devbranch) file 5 is committed
c64b173 file 6 is committed
b55e0a8 file 5 is committed
9c3536d second.txt
6f84a9c first.txt
8fc754d update task1file
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ touch file10.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ echo hi i am sai teja >> file10.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git add file10.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git commit -m "updating tag " file10.txt
[master 1367bdd] updating tag
 1 file changed, 1 insertion(+)
 create mode 100644 file10.txt
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git tag
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git tag -a 1.0.0
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ git log --oneline
1367bdd (HEAD -> master, tag: 1.0.0) updating tag
ab1bb6f Merge branch 'devbranch'
b7d3e29 file 3 is committed
e9d3682 (devbranch) file 5 is committed
c64b173 file 6 is committed
b55e0a8 file 5 is committed
9c3536d second.txt
6f84a9c first.txt
8fc754d update task1file
bfc7b6c task1file committing
saitR@PF-3JTN67:~/documents1/zemoso_assignment/gitkata$ █
```