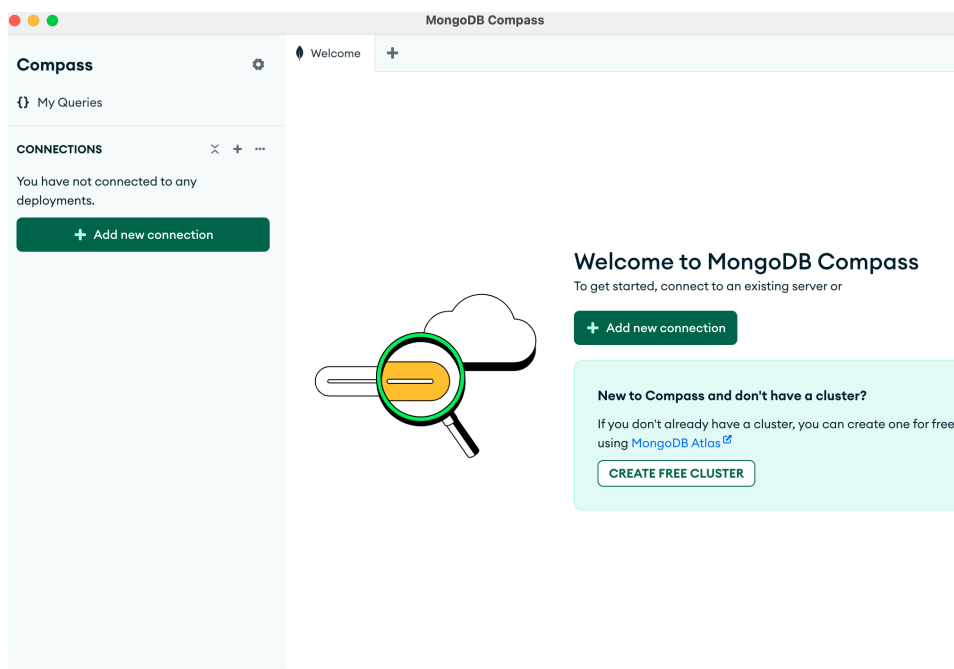```
Last login: Tue Sep 17 15:27:31 on ttys002
[(base) rohitkulkarni@Rohits-MacBook-Air ~ % git config --global user.name "Rohit]
 Kulkarni"
[(base) rohitkulkarni@Rohits-MacBook-Air ~ % git config --global user.email kulka]
rni.rohi@northeastern.edu
[(base) rohitkulkarni@Rohits-MacBook-Air ~ % git config --list   ]
credential.helper=osxkeychain
filter.lfs.clean=git-lfs clean -- %f
filter.lfs.smudge=git-lfs smudge -- %f
filter.lfs.process=git-lfs filter-process
filter.lfs.required=true
user.name=Rohit Kulkarni
user.email=kulkarni.rohi@northeastern.edu
credential.helper=
credential.helper=/usr/local/share/gcm-core/git-credential-manager
credential.https://dev.azure.com.usehttppath=true
(base) rohitkulkarni@Rohits-MacBook-Air ~ %
```

```
(base) rohitkulkarni@Rohits-MacBook-Air ~ % npm --version
6.14.13
```

Task 1

Create and switch to a new branch

```
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git checkout -b featu]
re
Switched to a new branch 'feature'
(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD %
```

```
(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git checkout -b feature
Switched to a new branch 'feature'
(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git status
On branch feature
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)
(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git commit -m "Added index file to the feature branch"
[feature 219642b] Added index file to the feature branch
 1 file changed, 12 insertions(+)
 create mode 100644 index.html
```

Task 2

Merge changes back into the main branch

```
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git merge feature
Updating b9de111..219642b
Fast-forward
 index.html | 12 ++++++++++++
 1 file changed, 12 insertions(+)
 create mode 100644 index.html
(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD %
```

```
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git push origin main
info: please complete authentication in your browser...
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 510 bytes | 255.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/rohitkulk15/Assignment1_WebD
   b9de111..219642b  main -> main
(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % []
```

Task 3

Push the changes to remote repository

```
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git status
On branch main
Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git status
On branch main
Your branch is up to date with 'origin/main'.

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")
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git add .
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git commit -m "Updated the index file on main"
[main fd9ce57] Updated the index file on main
 1 file changed, 1 insertion(+), 1 deletion(-)
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git checkout feature
Switched to branch 'feature'
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git status
On branch feature
nothing to commit, working tree clean
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git status
On branch 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

no changes added to commit (use "git add" and/or "git commit -a")
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git add .
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git commit -m "Updated the index file on feature"
[feature 88151af] Updated the index file on feature
 1 file changed, 1 insertion(+), 1 deletion(-)
```

Task 4

Resolve a merge conflict

```
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git add .
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git commit -m "Updated the index file on feature"
[feature 88151af] Updated the index file on feature
 1 file changed, 1 insertion(+), 1 deletion(-)
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git checkout main
Switched to branch 'main'
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git merge feature
Auto-merging index.html
CONFLICT (content): Merge conflict in index.html
Automatic merge failed; fix conflicts and then commit the result.
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git status
On branch main
Your branch is ahead of 'origin/main' by 1 commit.
  (use "git push" to publish your local commits)

You have unmerged paths.
  (fix conflicts and run "git commit")
  (use "git merge --abort" to abort the merge)

Unmerged paths:
  (use "git add <file>..." to mark resolution)
        both modified:   index.html

no changes added to commit (use "git add" and/or "git commit -a")
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git add .
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git commit -m "Resolving conflicts from main branc
[main 08e6bc9] Resolving conflicts from main branch
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git push
Enumerating objects: 11, done.
Counting objects: 100% (11/11), done.
Delta compression using up to 8 threads
Compressing objects: 100% (9/9), done.
Writing objects: 100% (9/9), 916 bytes | 916.00 KiB/s, done.
Total 9 (delta 4), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (4/4), completed with 1 local object.
To https://github.com/rohitkulk15/Assignment1_WebD
   219642b..08e6bc9  main -> main
```

Task 5

Revert Changes using git checkout

```
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git status
On branch main
Your branch is up to date with 'origin/main'.

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")
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git add index.html
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git checkout -- index.html
[(base) rohitkulkarni@Rohits-MacBook-Air Assignment1_WebD % git reset HEAD index.html
Unstaged changes after reset:
M       index.html
```