Advance AWS

AWS Assessment Project 4

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Teacher:

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Course:

Advance AWS Cloud Computing with DevOps Fundamentals

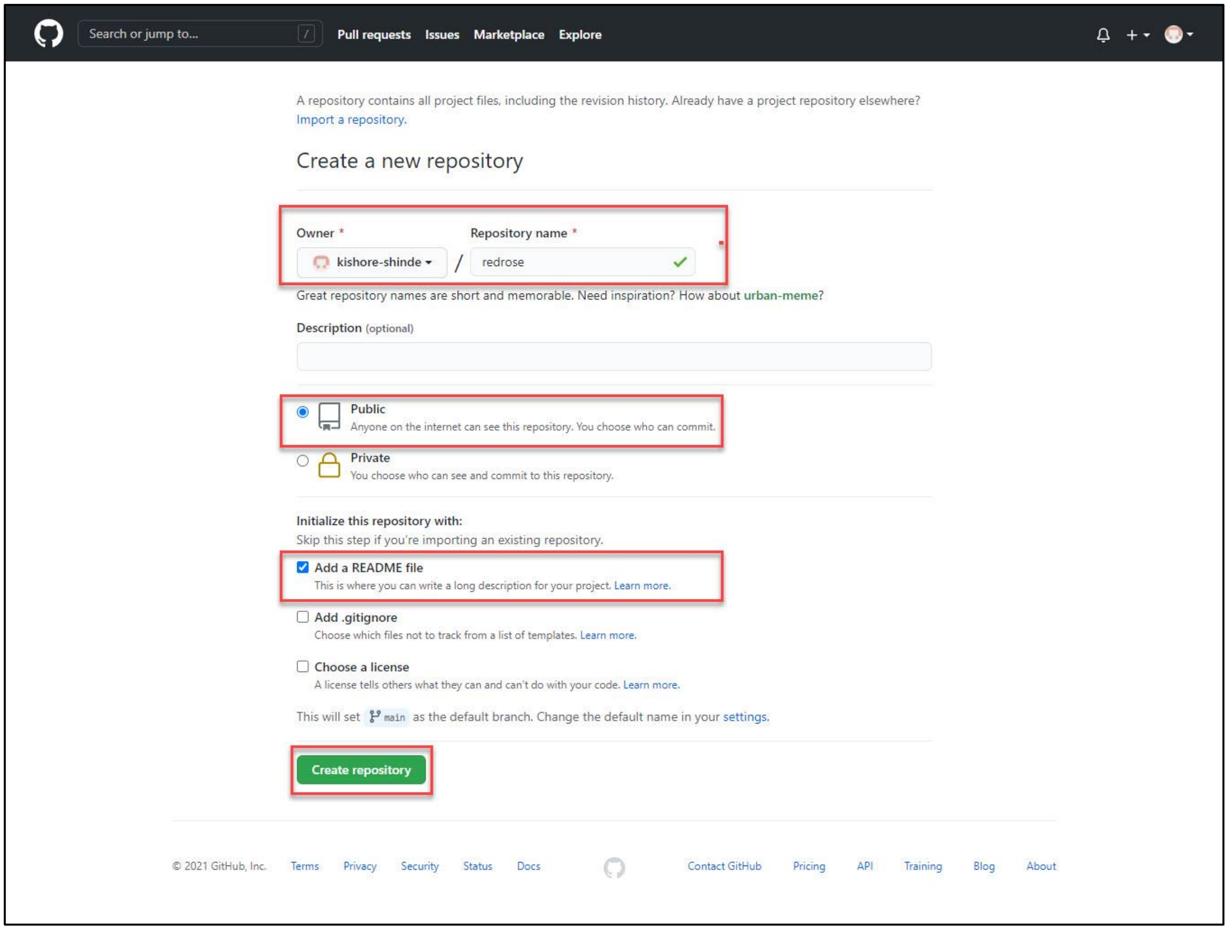
Institute:

Lets Upgrade

Project: Git Project

Task 1	Create a repository in GitHub
Task 2	Open git bash and clone contents from remote repository
Task 3	Create a file in the local space and push it to the remote repository
Task 4	Branching and merging

TASK 1: Create a repository in GitHub



A repository contains all project files, including the revision history. Already have a project repository elsewhere?
Import a repository.

Create a new repository

Owner * kishore-shinde / Repository name * redrose ✓

Great repository names are short and memorable. Need inspiration? How about urban-meme?

Description (optional)

● Public
Anyone on the internet can see this repository. You choose who can commit.

○ Private
You choose who can see and commit to this repository.

Initialize this repository with:
Skip this step if you're importing an existing repository.

☑ Add a README file
This is where you can write a long description for your project. Learn more.

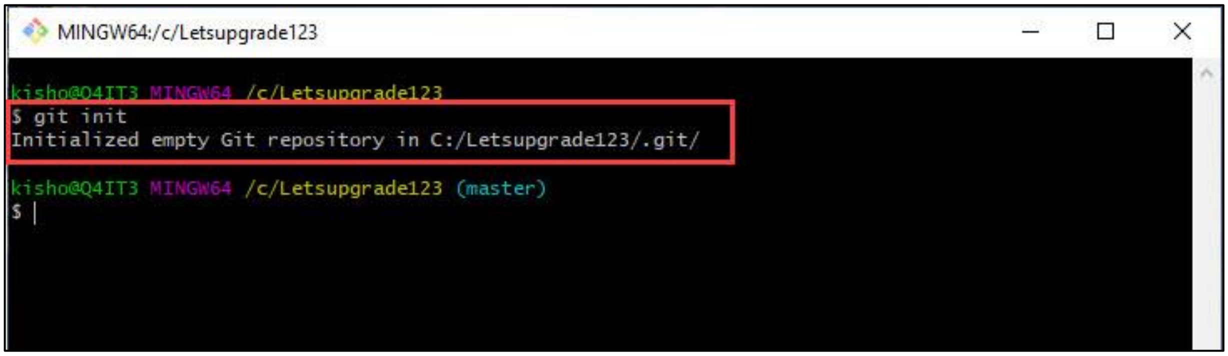
□ Add .gitignore
Choose which files not to track from a list of templates. Learn more.

□ Choose a license
A license tells others what they can and can't do with your code. Learn more.

This will set main as the default branch. Change the default name in your settings.

Sr. No.	Repository Name	Type
1.	redrose	Public

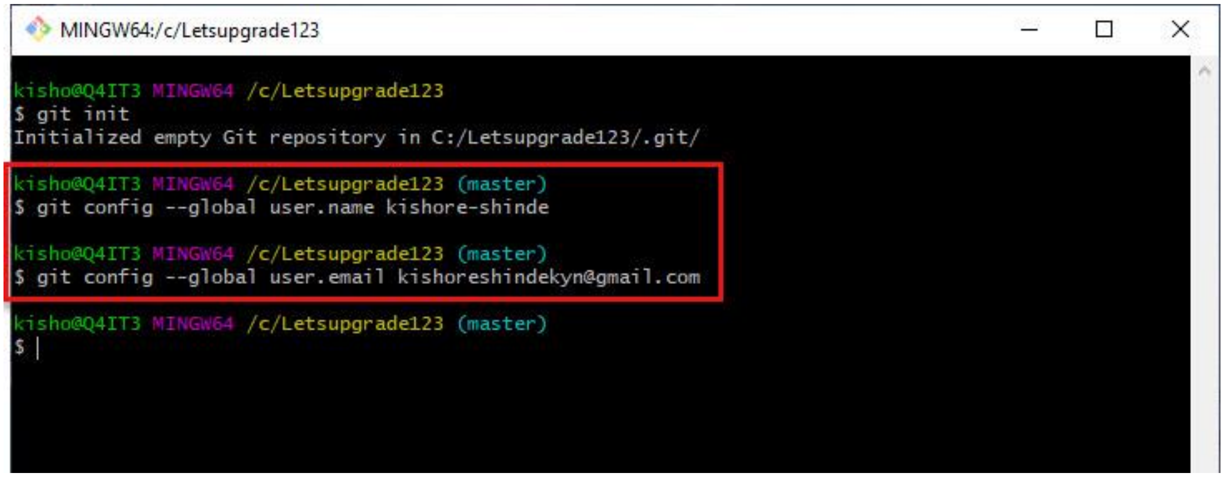
- git init



```
kisho@Q4IT3 MINGW64 /c/Letsupgrade123
$ git init
Initialized empty Git repository in C:/Letsupgrade123/.git/

kisho@Q4IT3 MINGW64 /c/Letsupgrade123 (master)
$ |
```

Sr. No.	Command	Description
1.	git init	Creates empty repository or initializes the empty repository

- Config Commands

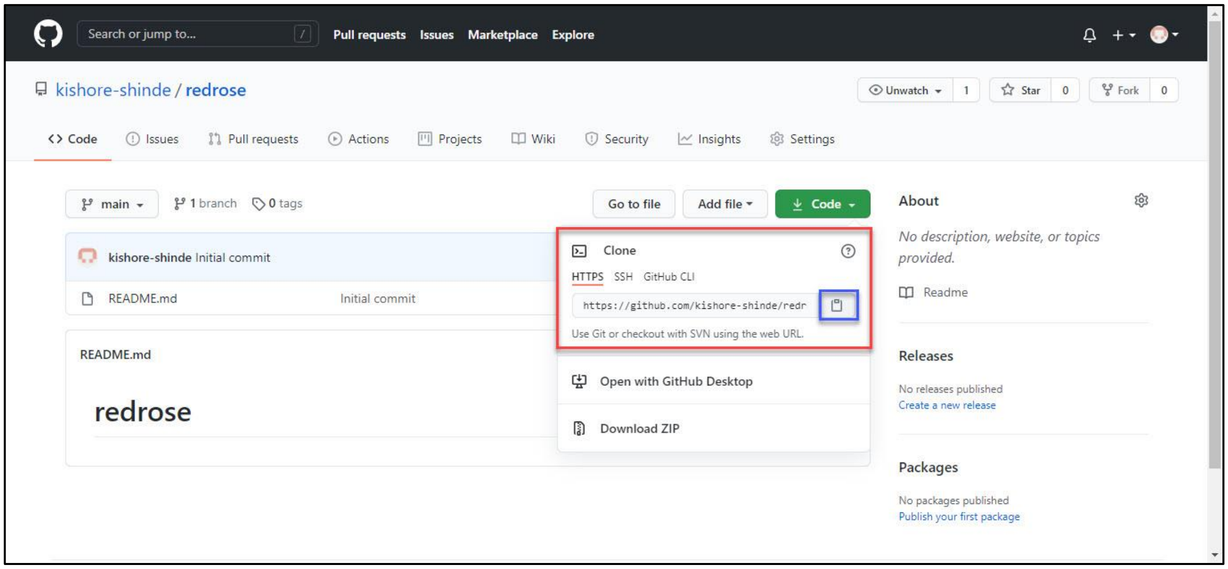


```
kisho@Q4IT3 MINGW64 /c/Letsupgrade123
$ git init
Initialized empty Git repository in C:/Letsupgrade123/.git/

kisho@Q4IT3 MINGW64 /c/Letsupgrade123 (master)
$ git config --global user.name kishore-shinde

kisho@Q4IT3 MINGW64 /c/Letsupgrade123 (master)
$ git config --global user.email kishoreshindekyn@gmail.com

kisho@Q4IT3 MINGW64 /c/Letsupgrade123 (master)
$ |
```

Sr. No.	Command	Description
1.	git config --global user.email kishoreshindekyn@gmail.com	Configure Email id
2.	git config –global user.name kishore-shinde	Configure User Name

TASK 2: open git bash and clone contents from remote repository

First copy the url from GitHub remote repository ***“redrose”***.



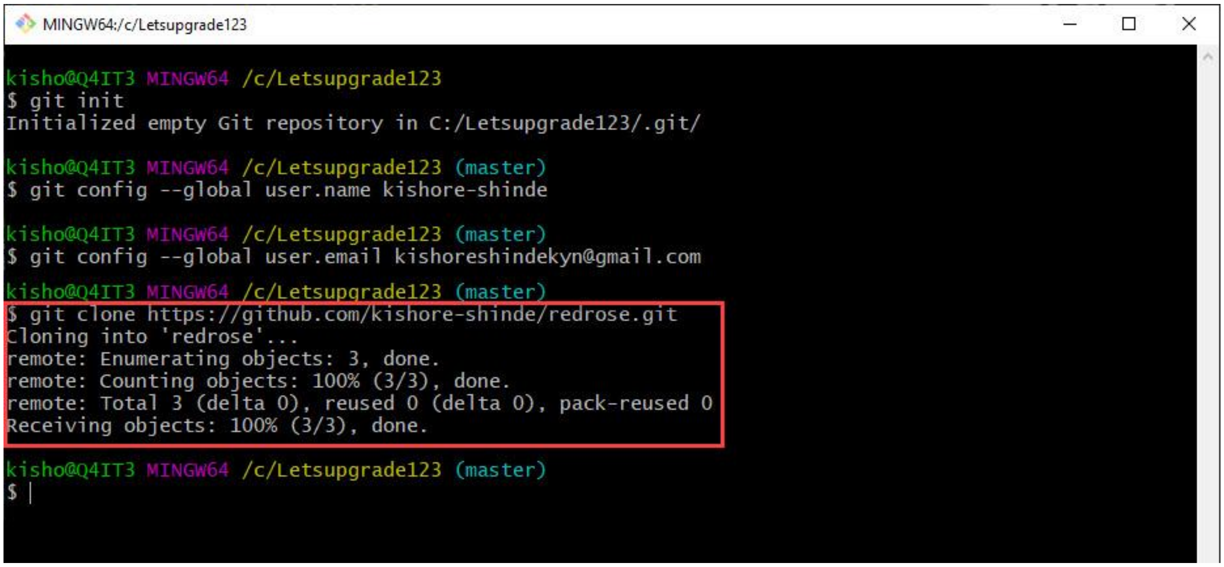
https://github.com/kishore-shinde/redr

Use Git or checkout with SVN using the web URL.

No description, website, or topics provided.

URL – https://github.com/kishore-shinde/redrose.git

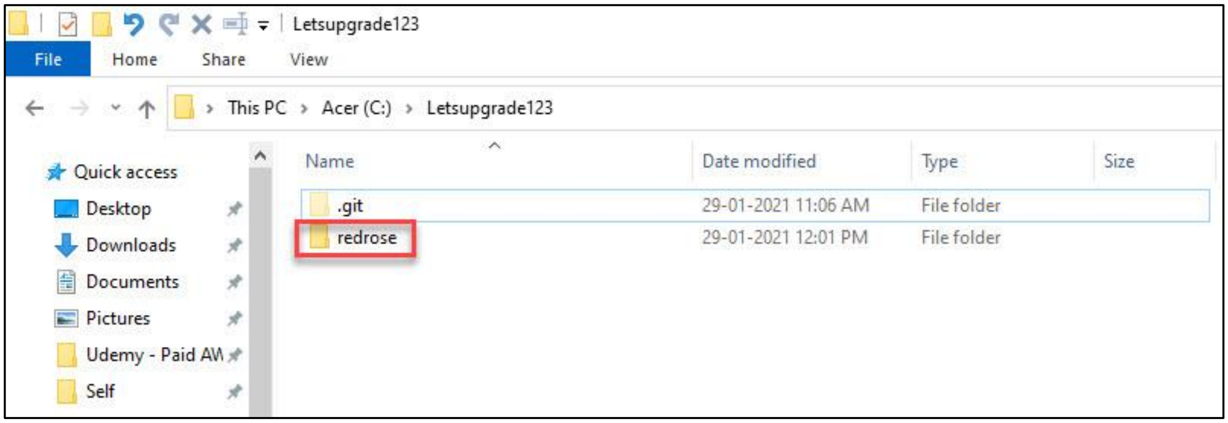
- Clone



```
kisho@Q4IT3 MINGW64 /c/Letsupgrade123
$ git init
Initialized empty Git repository in C:/Letsupgrade123/.git/

kisho@Q4IT3 MINGW64 /c/Letsupgrade123 (master)
$ git config --global user.name kishore-shinde

kisho@Q4IT3 MINGW64 /c/Letsupgrade123 (master)
$ git config --global user.email kishoreshindekyn@gmail.com

kisho@Q4IT3 MINGW64 /c/Letsupgrade123 (master)
$ git clone https://github.com/kishore-shinde/redrose.git
Cloning into 'redrose'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (3/3), done.

kisho@Q4IT3 MINGW64 /c/Letsupgrade123 (master)
$ |
```

Sr. No.	Command	Description
1.	git clone <url>	Clone of “***redrose***” remote repository will be created in local repository. <url> paste the copied url here.

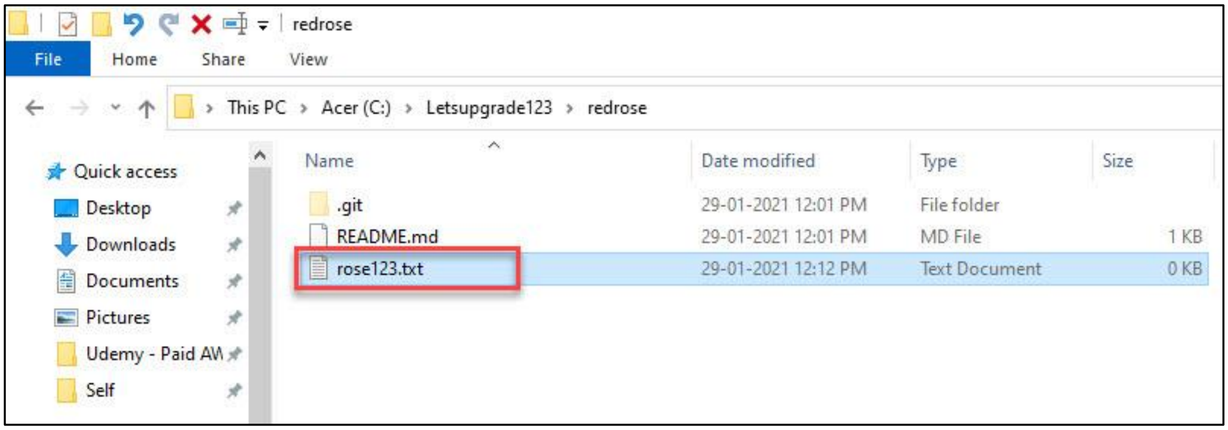
- Show the folder in local repository



Name	Date modified	Type	Size
.git	29-01-2021 11:06 AM	File folder	
redrose	29-01-2021 12:01 PM	File folder	

Folder name: redrose

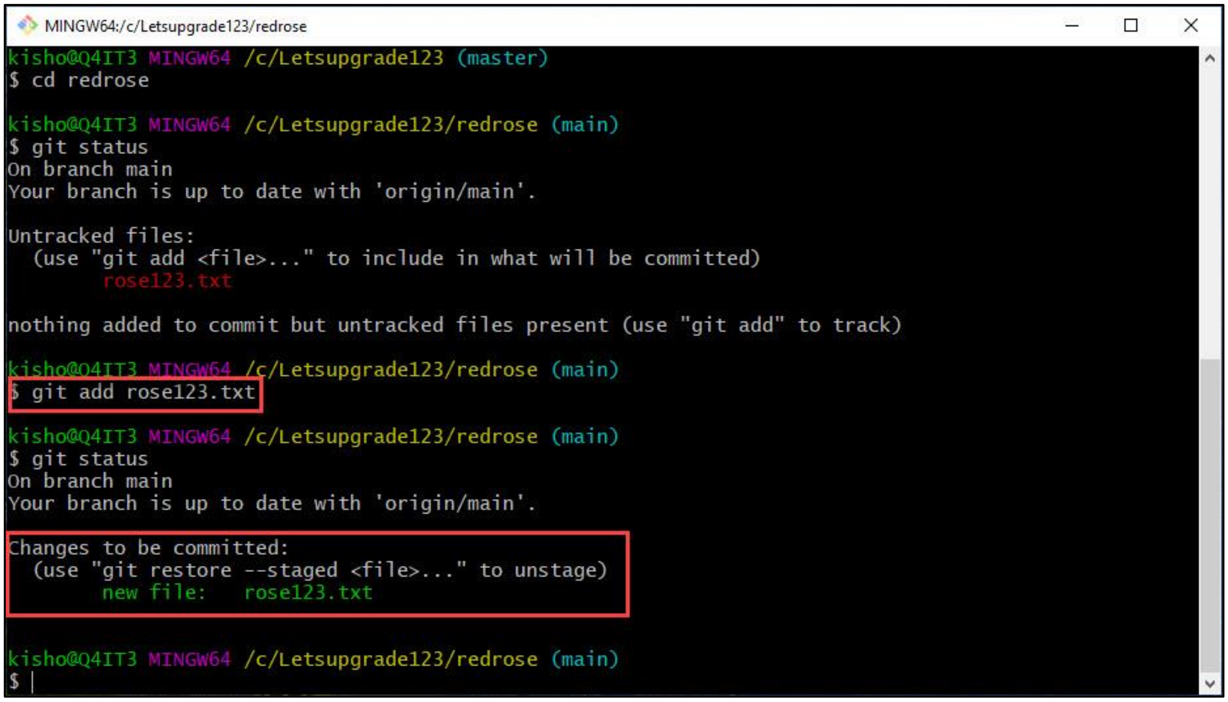
TASK 3: Create a file in the local space and push it to the remote repository



Name	Date modified	Type	Size
.git	29-01-2021 12:01 PM	File folder	
README.md	29-01-2021 12:01 PM	MD File	1 KB
rose123.txt	29-01-2021 12:12 PM	Text Document	0 KB

File Created – rose123.txt

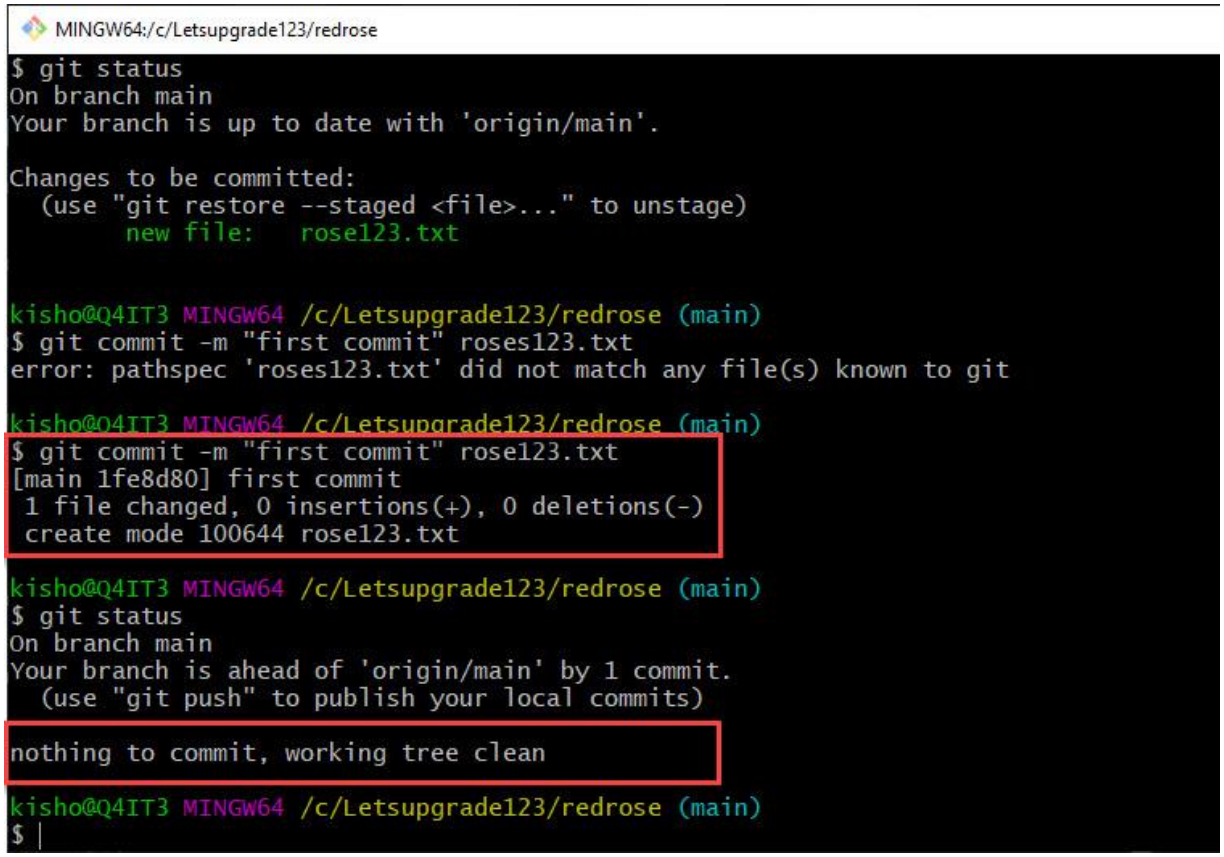
- add



```
kisho@Q4IT3 MINGW64 /c/Letsupgrade123 (master)
$ cd redrose

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        rose123.txt

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

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git add rose123.txt

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   rose123.txt


kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ |
```

Sr. No.	Command	Description
1.	git add rose123.txt	Adds the file into the staging area

- commit

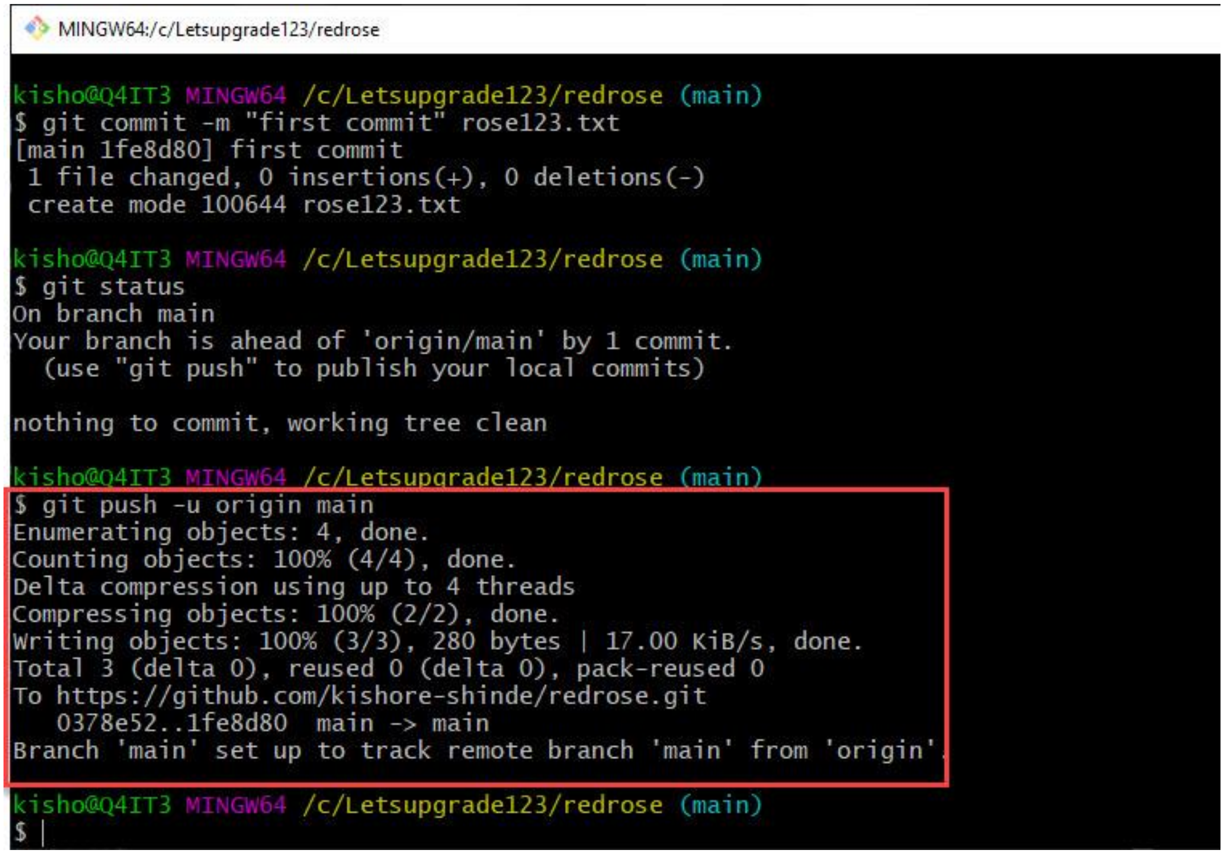


MINGW64:/c/Letsupgrade123/redrose

```
$ git status
On branch main
Your branch is up to date with 'origin/main'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   rose123.txt


kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git commit -m "first commit" roses123.txt
error: pathspec 'roses123.txt' did not match any file(s) known to git

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git commit -m "first commit" rose123.txt
[main 1fe8d80] first commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 rose123.txt

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ 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

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ |
```

Sr. No.	Command	Description
1.	git status	To check the status of the file before commit
2.	git commit -m “first commit” roses123.txt	To commit the file to Git local repository

- push successful



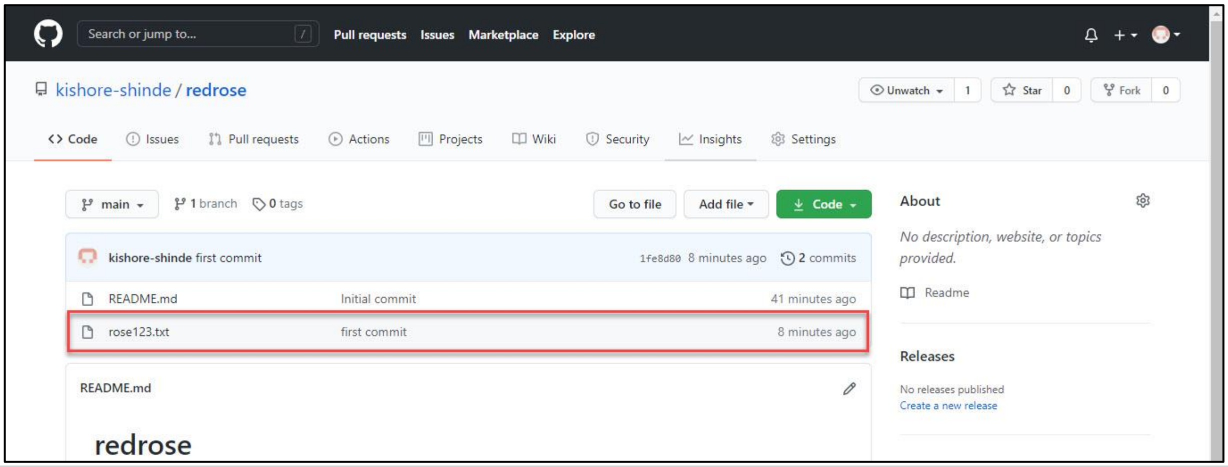
MINGW64:/c/Letsupgrade123/redrose

```
kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git commit -m "first commit" rose123.txt
[main 1fe8d80] first commit
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 rose123.txt

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ 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

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 280 bytes | 17.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/kishore-shinde/redrose.git
   0378e52..1fe8d80  main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ |
```

Sr. No.	Command	Description
1.	git status	To check the status of the file after commit
2.	git push -u origin main	The file in the local repository will be pushed to GitHub(remote repository)

Note : If prompted for email id and password provide the GitHub credentials.

- Show the file in remote repository



kishore-shinde / redrose

kishore-shinde first commit 1fe8d80 8 minutes ago 2 commits

README.md	Initial commit	41 minutes ago
rose123.txt	first commit	8 minutes ago

No description, website, or topics provided.

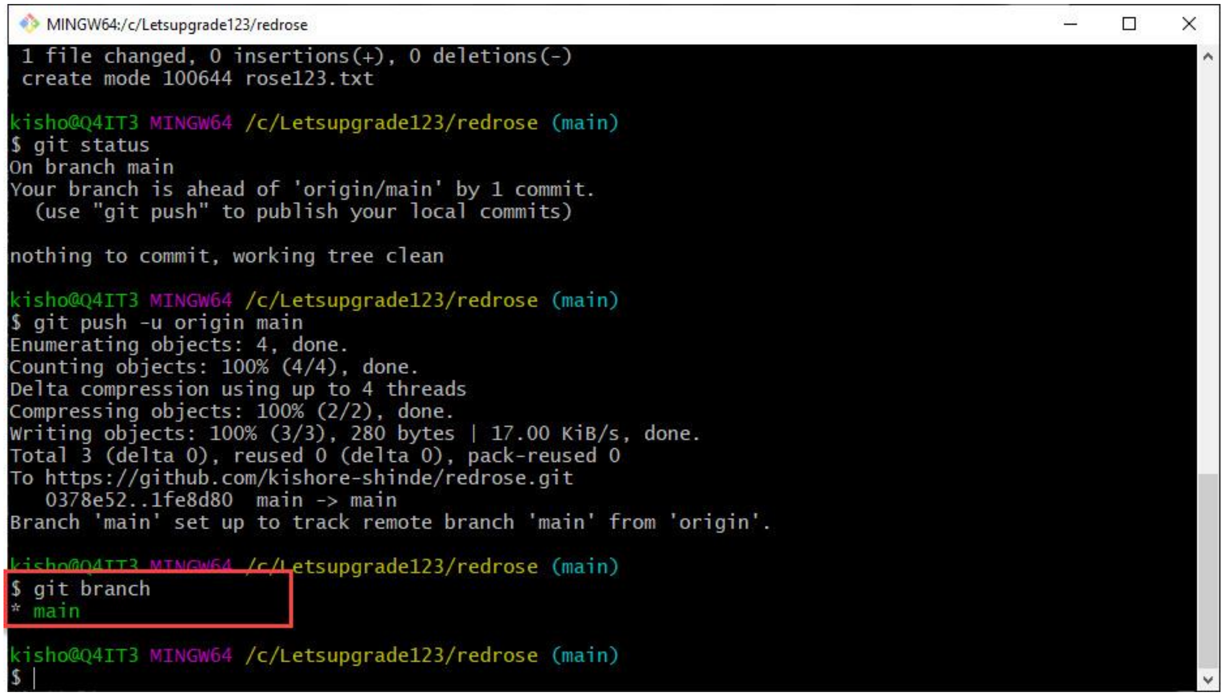
No releases published
Create a new release

README.md

redrose

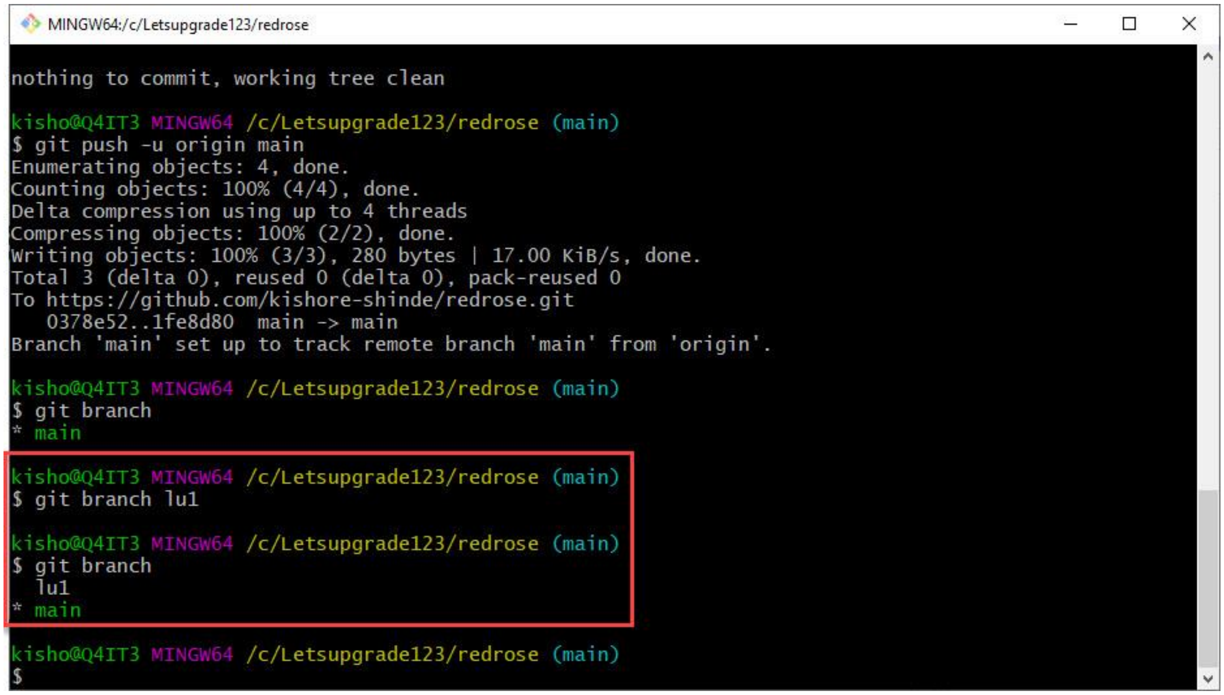
TASK 4: Branching and merging

- ***git branch* –** Will list all the branches that are available



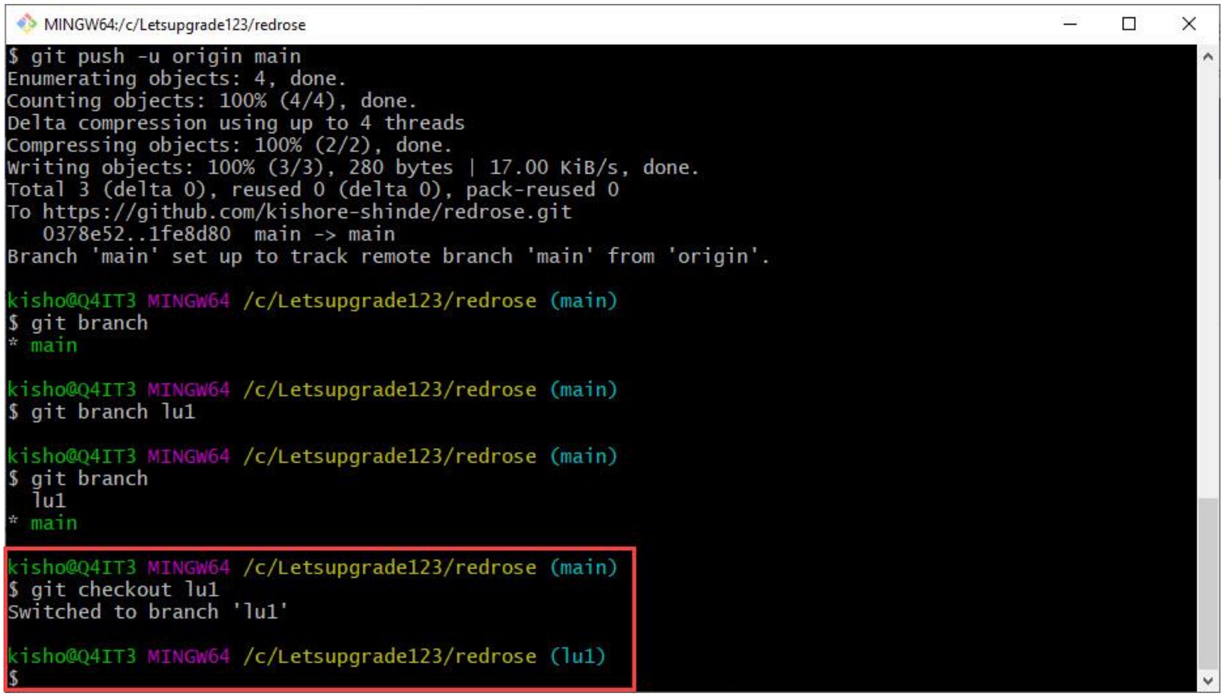
```
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 rose123.txt

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ 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

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 280 bytes | 17.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/kishore-shinde/redrose.git
   0378e52..1fe8d80  main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ |
```

- ***git branch lu1* –** will create a branch by name lu1



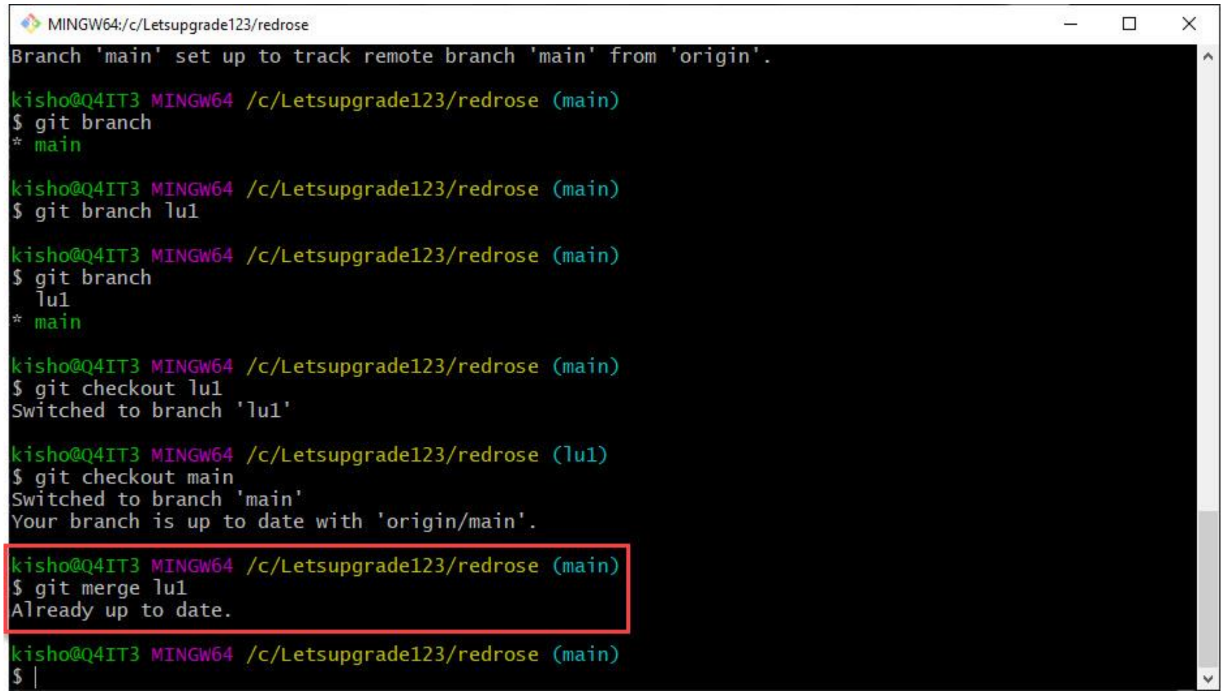
```
nothing to commit, working tree clean

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 280 bytes | 17.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/kishore-shinde/redrose.git
   0378e52..1fe8d80  main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch lu1

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
  lu1
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$
```

- ***git checkout lu1*** **–** will move into or switch to branch lu1



```
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 4 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 280 bytes | 17.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/kishore-shinde/redrose.git
   0378e52..1fe8d80  main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch lu1

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
  lu1
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git checkout lu1
Switched to branch 'lu1'

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (lu1)
$
```

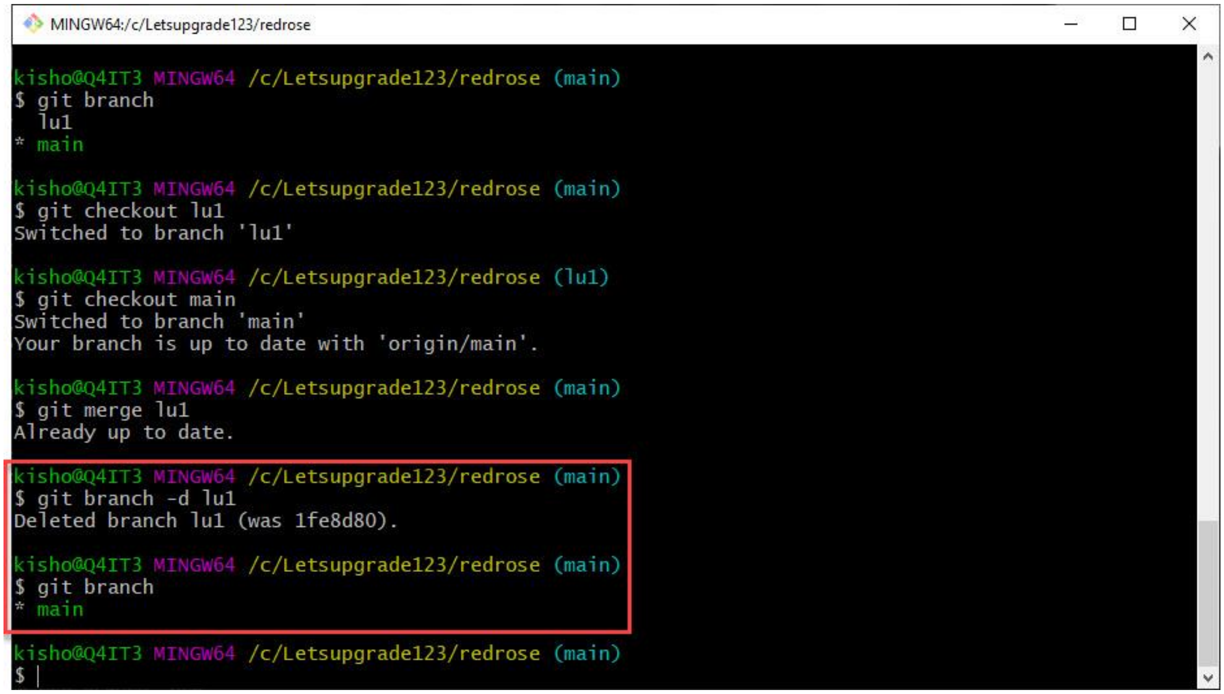
- ***git merge lu1*** **–** will merge the contents of branch lu1 into the main branch



```
Branch 'main' set up to track remote branch 'main' from 'origin'.

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch lu1

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
  lu1
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git checkout lu1
Switched to branch 'lu1'

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (lu1)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git merge lu1
Already up to date.

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ |
```

Note : *Once you have merged the contents of the branch into main you can delete it*

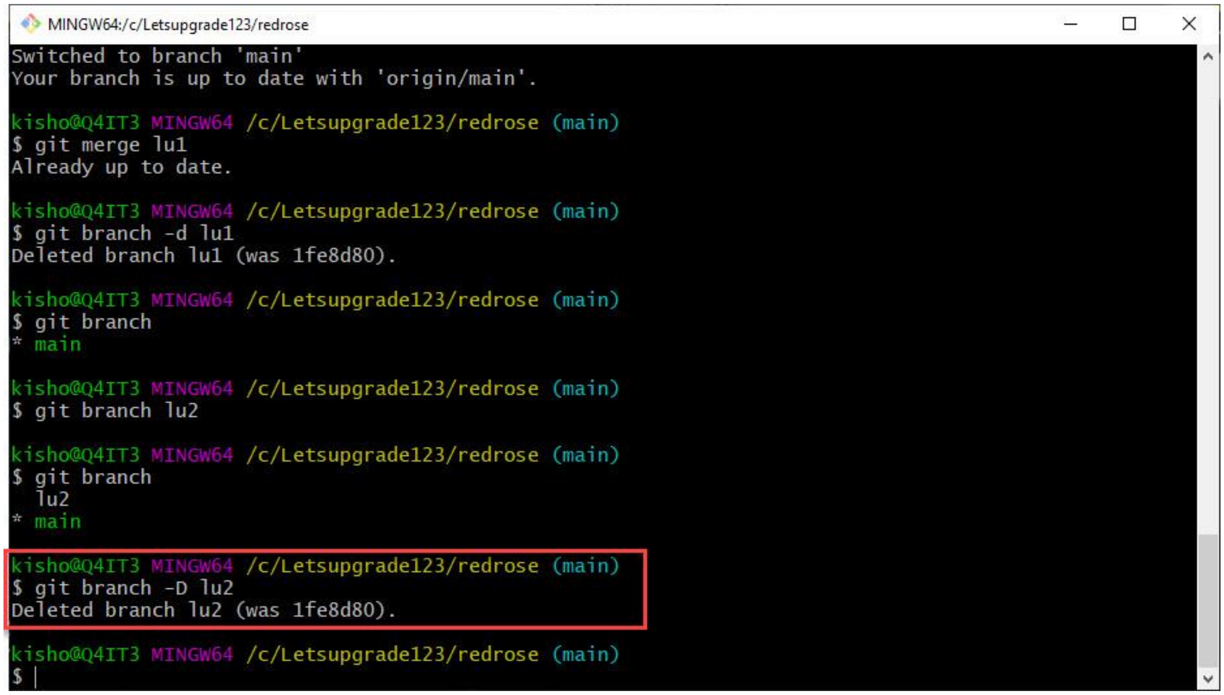
- *git branch -d lu1* **–** will delete the branch lu1



```
kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
  lu1
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git checkout lu1
Switched to branch 'lu1'

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (lu1)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git merge lu1
Already up to date.

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch -d lu1
Deleted branch lu1 (was 1fe8d80).

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ |
```

Note: If changes are not committed, -d option will give a prompt that there are changes to be committed to main branch, before deleting the branch.

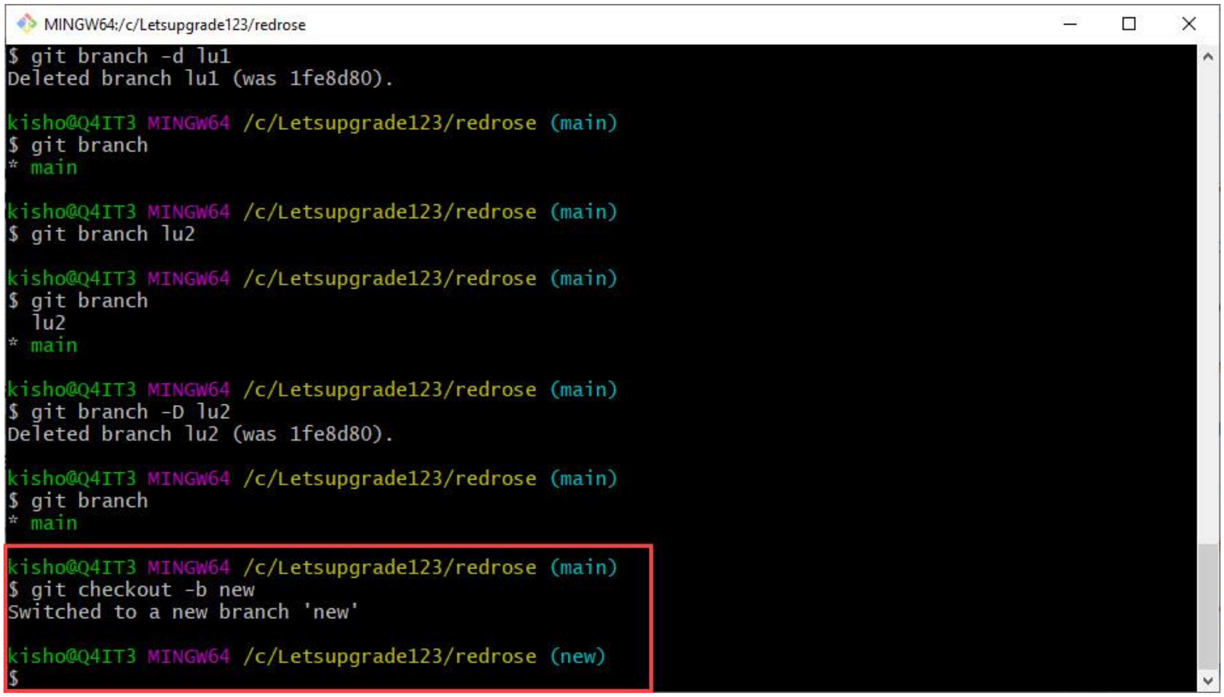
- *git branch -D lu1* **–** will delete the branch



```
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git merge lu1
Already up to date.

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch -d lu1
Deleted branch lu1 (was 1fe8d80).

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch lu2

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
  lu2
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch -D lu2
Deleted branch lu2 (was 1fe8d80).

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ |
```

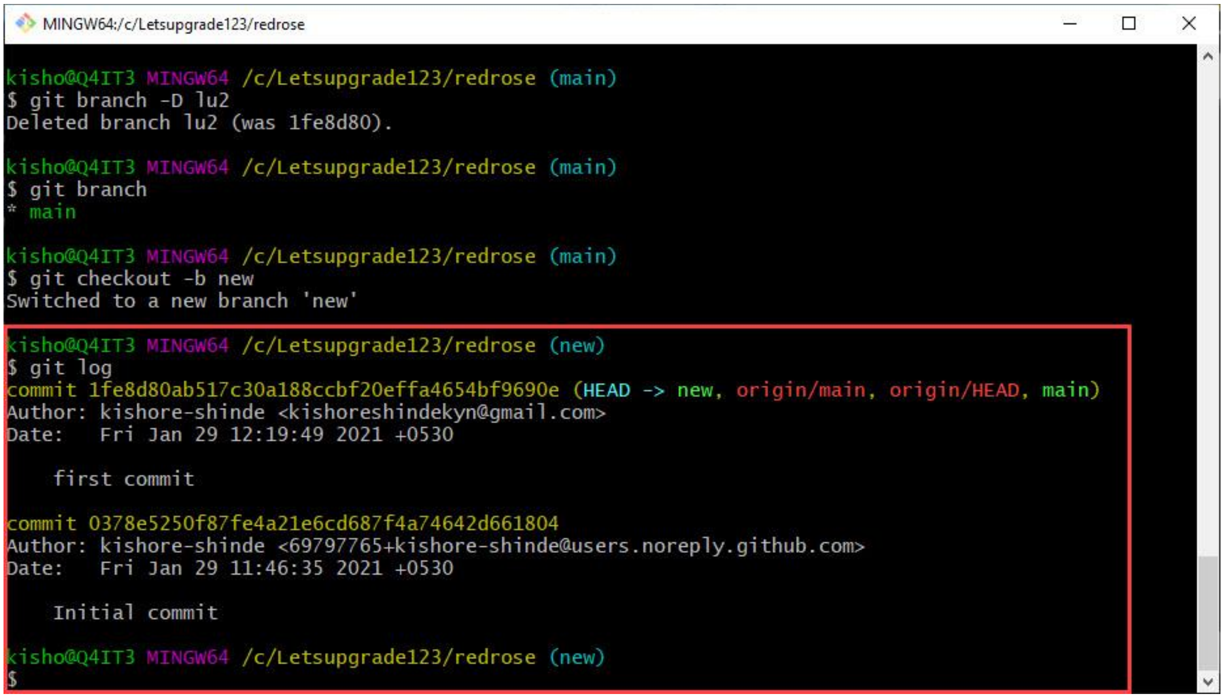
Note: Here -D option will not give a prompt and delete the branch, even if the changes are not committed to master branch. Just like force delete.

- ***git checkout -b new –*** Will create branch “new” and directly move into it



```
$ git branch -d lu1
Deleted branch lu1 (was 1fe8d80).

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch lu2

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
  lu2
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch -D lu2
Deleted branch lu2 (was 1fe8d80).

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git checkout -b new
Switched to a new branch 'new'

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (new)
$
```

- ***git log –*** Will display whatever changes you made in this repository



```

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch -D lu2
Deleted branch lu2 (was 1fe8d80).

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git branch
* main

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (main)
$ git checkout -b new
Switched to a new branch 'new'

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (new)
$ git log
commit 1fe8d80ab517c30a188ccbf20effa4654bf9690e (HEAD -> new, origin/main, origin/HEAD, main)
Author: kishore-shinde <kishoreshindekyn@gmail.com>
Date:   Fri Jan 29 12:19:49 2021 +0530

    first commit

commit 0378e5250f87fe4a21e6cd687f4a74642d661804
Author: kishore-shinde <69797765+kishore-shinde@users.noreply.github.com>
Date:   Fri Jan 29 11:46:35 2021 +0530

    Initial commit

kisho@Q4IT3 MINGW64 /c/Letsupgrade123/redrose (new)
$
```

xxx---AWS Assessment Project 4 Ends Here--xxx