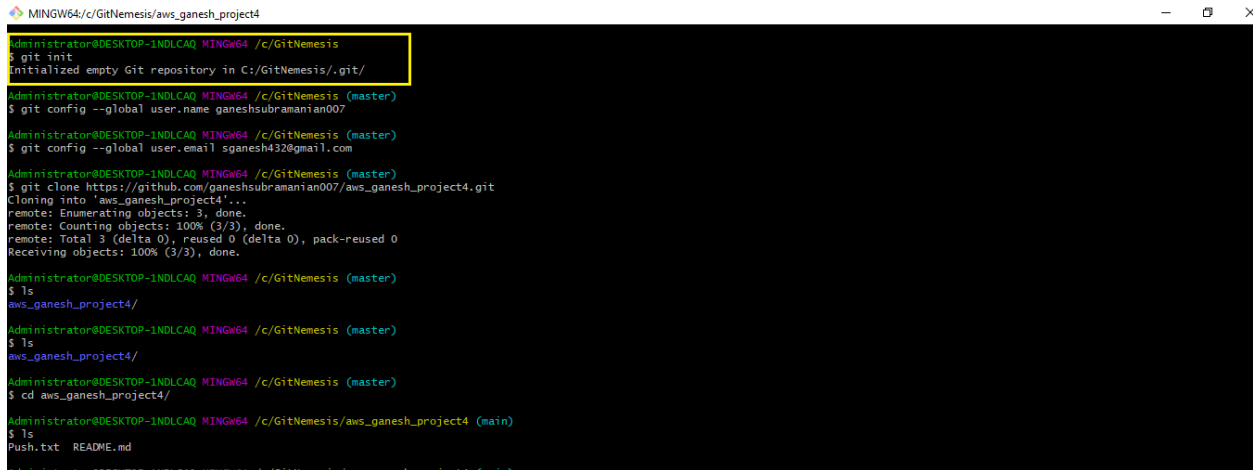


Project 4

Git Project

Task1: create a repository in github

- git init

A terminal window titled 'MINGW64/c/GitNemesis/aws_ganesh_project4' showing the execution of git commands. The first two lines, '\$ git init' and 'Initialized empty Git repository in C:/GitNemesis/.git/', are highlighted with a yellow box. The terminal output shows the user configuring their name and email globally, cloning a repository from GitHub, and listing files in the project directory.

```
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis
$ git init
Initialized empty Git repository in C:/GitNemesis/.git/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ git config --global user.name ganeshsubramanian007

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ git config --global user.email sganesh432@gmail.com

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ git clone https://github.com/ganeshsubramanian007/aws_ganesh_project4.git
Cloning into 'aws_ganesh_project4'...
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.

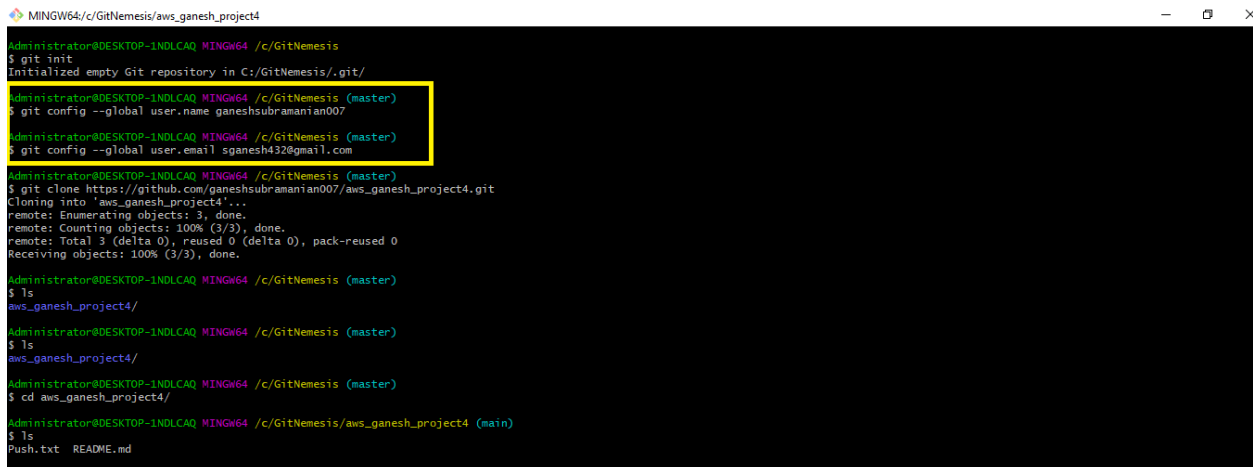
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ ls
aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ ls
aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ cd aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ ls
Push.txt  README.md
```

- Both config commands

A terminal window titled 'MINGW64/c/GitNemesis/aws_ganesh_project4' showing the execution of git commands. The lines '\$ git config --global user.name ganeshsubramanian007' and '\$ git config --global user.email sganesh432@gmail.com' are highlighted with a yellow box. The terminal output shows the user cloning a repository from GitHub and listing files in the project directory.

```
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis
$ git init
Initialized empty Git repository in C:/GitNemesis/.git/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ git config --global user.name ganeshsubramanian007

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ git config --global user.email sganesh432@gmail.com

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ git clone https://github.com/ganeshsubramanian007/aws_ganesh_project4.git
Cloning into 'aws_ganesh_project4'...
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.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ ls
aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ ls
aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ cd aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ ls
Push.txt  README.md
```

- ⇒ git config --global user.name "ganeshsubramanian007"
- ⇒ git config --global user.email "sganesh432@gmail.com"

Task2: open git bash and clone contents from remote repository

- clone

```
MINGW64/c/GitNemesis/aws_ganesh_project4
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis
$ git init
Initialized empty Git repository in C:/GitNemesis/.git/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ git config --global user.name ganeshsubramanian007

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ git config --global user.email sganesh432@gmail.com

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ git clone https://github.com/ganeshsubramanian007/aws_ganesh_project4.git
Cloning into 'aws_ganesh_project4'...
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.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ ls
aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ ls
aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ cd aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ ls
Push.txt  README.md
```

⇒ `git clone https://github.com/ganeshsubramanian007/aws_ganesh_project4.git`

- show the folder in local repository

```
MINGW64/c/GitNemesis/aws_ganesh_project4
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis
$ git init
Initialized empty Git repository in C:/GitNemesis/.git/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ git config --global user.name ganeshsubramanian007

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ git config --global user.email sganesh432@gmail.com

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ git clone https://github.com/ganeshsubramanian007/aws_ganesh_project4.git
Cloning into 'aws_ganesh_project4'...
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.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ ls
aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ ls
aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ cd aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ ls
Push.txt  README.md
```

Task3: create a file in the local space and push it to the remote repository

- add

```
MINGW64/c/GitNemesis/aws_ganesh_project4
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  aws_ganesh_project4/

nothing added to commit but untracked files present (use "git add" to track)
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ cd aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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)
  Push.txt

nothing added to commit but untracked files present (use "git add" to track)
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git add Push.txt

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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:   Push.txt

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git commit -m "first" Push.txt
[main 312b08d] first
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Push.txt

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git push -u origin main
```

⇒ git add "Push.txt"

- commit

```
MINGW64/c/GitNemesis/aws_ganesh_project4
Untracked files:
  (use "git add <file>..." to include in what will be committed)
  aws_ganesh_project4/

nothing added to commit but untracked files present (use "git add" to track)
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ cd aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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)
  Push.txt

nothing added to commit but untracked files present (use "git add" to track)
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git add Push.txt

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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:   Push.txt

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git commit -m "first" Push.txt
[main 312b08d] first
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Push.txt

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git push -u origin main
```

⇒ git commit -m "first" Push.txt

- push successful

```

MINGW64/c/GitNemesis/aws_ganesh_project4
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        aws_ganesh_project4/

nothing added to commit but untracked files present (use "git add" to track)
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis (master)
$ cd aws_ganesh_project4/

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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)
        Push.txt

nothing added to commit but untracked files present (use "git add" to track)
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git add Push.txt

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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:   Push.txt

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git commit -m "First" Push.txt
[main 312b08d] first
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Push.txt

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git push -u origin main

```

- show the file in remote repository

The screenshot displays a terminal window on the left and a GitHub repository page on the right. The terminal window shows the execution of Git commands to add, commit, and push a file named 'Push.txt' to the remote repository 'origin/main'. The GitHub page shows the repository 'ganeshsubramanian007 / aws_ganesh_project4' with a file list including 'Push.txt' and 'README.md'. A yellow box highlights the 'Push.txt' file in the GitHub file list, and a yellow arrow points from the terminal output to this box, indicating that the file has been successfully pushed to the remote repository.

“Push.txt” is reflected in the Remote Repository

Task4: Branching and merging

Execute all commands and add screenshots

Git branching:

- git branch
- git branch branchname

```
MINGW64/c/GitNemesis/aws_ganesh_project4
Administrator@DESKTOP-1NDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git commit -m "first" Push.txt
[main 312b08d] first
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Push.txt

Administrator@DESKTOP-1NDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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

Administrator@DESKTOP-1NDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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), 274 bytes | 274.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/ganeshsubramanian007/aws_ganesh_project4.git
15c0671..312b08d main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'

Administrator@DESKTOP-1NDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
* main

Administrator@DESKTOP-1NDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch New_Branch

Administrator@DESKTOP-1NDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
* main
  New_Branch

Administrator@DESKTOP-1NDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git checkout New_Branch
Switched to branch 'New_Branch'

Administrator@DESKTOP-1NDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (New_Branch)
$ git checkout New_Branch
Already on 'New_Branch'

Administrator@DESKTOP-1NDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (New_Branch)
$
```

- git checkout branchname

```
MINGW64/c/GitNemesis/aws_ganesh_project4
create mode 100644 Push.txt

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (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), 274 bytes | 274.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/ganeshsubramanian007/aws_ganesh_project4.git
  15c0671..312b08d main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch New_Branch

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
New_Branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git checkout New_Branch
Switched to branch 'New_Branch'

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (New_Branch)
$ git checkout New_Branch
Already on 'New_Branch'

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (New_Branch)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$
```

⇒ git checkout “New_Branch”

- git merge branchname

```
MINGW64/c/GitNemesis/aws_ganesh_project4
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), 274 bytes | 274.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/ganeshsubramanian007/aws_ganesh_project4.git
  15c0671..312b08d main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch New_Branch

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
New_Branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git checkout New_Branch
Switched to branch 'New_Branch'

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (New_Branch)
$ git checkout New_Branch
Already on 'New_Branch'

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (New_Branch)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git merge New_Branch
Already up to date.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch -d New_Branch
Deleted branch New_Branch (was 312b08d).

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$
```

⇒ git merge “New_Branch”

- git branch -d branchname

```

MINGW64/c/GitNemesis/aws_ganesh_project4
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), 274 bytes | 274.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/ganeshsubramanian007/aws_ganesh_project4.git
   15c0671..312b08d  main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch New_Branch

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
    New_Branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git checkout New_Branch
Switched to branch 'New_Branch'

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (New_Branch)
$ git checkout New_Branch
Already on 'New_Branch'

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (New_Branch)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git merge New_Branch
Already up to date.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch -d New_Branch
Deleted branch New_Branch (was 312b08d).

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$

```

⇒ git branch -d "New_Branch"

- git branch -D branchname

```

MINGW64/c/GitNemesis/aws_ganesh_project4
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch New_Branch

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
    New_Branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git checkout New_Branch
Switched to branch 'New_Branch'

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (New_Branch)
$ git checkout New_Branch
Already on 'New_Branch'

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (New_Branch)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git merge New_Branch
Already up to date.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch -d New_Branch
Deleted branch New_Branch (was 312b08d).

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch New_Branch_1

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
    New_Branch_1
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch -D New_Branch_1
Deleted branch New_Branch_1 (was 312b08d).

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$

```

⇒ git branch -D "New_Branch_1"

- git checkout -b branchname

```

MINGW64/c/GitNemesis/aws_ganesh_project4
Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git checkout New_Branch
Switched to branch 'New_Branch'

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (New_Branch)
$ git checkout New_Branch
Already on 'New_Branch'

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (New_Branch)
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git merge New_Branch
Already up to date.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch -d New_Branch
Deleted branch New_Branch (was 312b08d).

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch New_Branch_1

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
New_Branch_1
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch -D New_Branch_1
Deleted branch New_Branch_1 (was 312b08d).

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git checkout -b xyz
Switched to a new branch 'xyz'

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (xyz)
$

```

⇒ git checkout -b “xyz”

- git log

```

MINGW64/c/GitNemesis/aws_ganesh_project4
$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git merge New_Branch
Already up to date.

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch -d New_Branch
Deleted branch New_Branch (was 312b08d).

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch New_Branch_1

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch
New_Branch_1
* main

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git branch -D New_Branch_1
Deleted branch New_Branch_1 (was 312b08d).

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (main)
$ git checkout -b xyz
Switched to a new branch 'xyz'

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (xyz)
$ git log
commit 312b08de8dac006b4fd28040a9254f358da7f44c (HEAD -> xyz, origin/main, origin/HEAD, main)
Author: ganeshsubramanian007 <sganesh432@gmail.com>
Date: Tue Feb 2 08:17:59 2021 +0530

    first

commit 15c0671a7322917e27dabf26ddb4ce75e30052c2
Author: ganeshsubramanian007 <32510879+ganeshsubramanian007@users.noreply.github.com>
Date: Tue Feb 2 08:07:32 2021 +0530

    Initial commit

Administrator@DESKTOP-INDLCAQ MINGW64 /c/GitNemesis/aws_ganesh_project4 (xyz)
$

```

⇒ git log