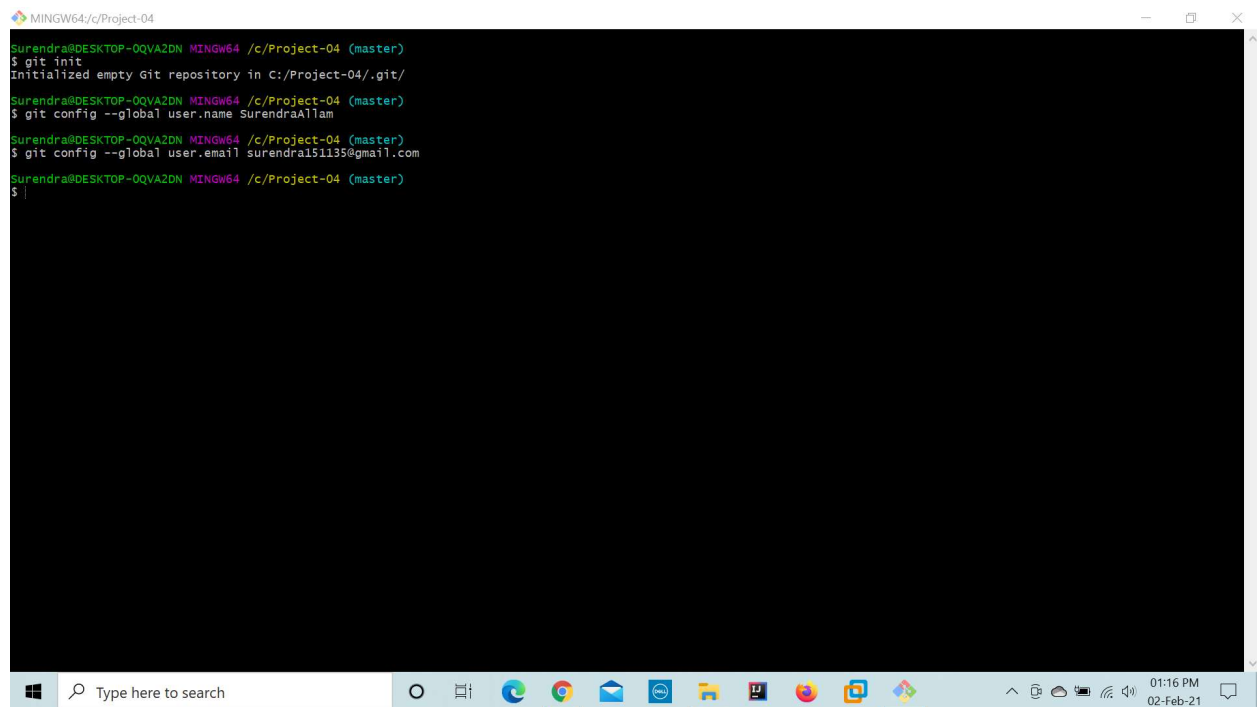


# Project 4 | Advance AWS

## Git Project:-

Task1: create a repository in github

- Git init
- Both config commands



```
MINGW64/c/Project-04
Surendra@DESKTOP-OQVA2DN MINGW64 /c/Project-04 (master)
$ git init
Initialized empty Git repository in c:/Project-04/.git/
Surendra@DESKTOP-OQVA2DN MINGW64 /c/Project-04 (master)
$ git config --global user.name SurendraA11am
Surendra@DESKTOP-OQVA2DN MINGW64 /c/Project-04 (master)
$ git config --global user.email surendra11135@gmail.com
Surendra@DESKTOP-OQVA2DN MINGW64 /c/Project-04 (master)
$
```

Task2: open git bash and clone contents from remote repository

- clone
- show the folder in local repository

```
MINGW64/c/Project-04/Project04Demo
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04 (master)
$ git init
Initialized empty Git repository in C:/Project-04/.git/
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04 (master)
$ git config --global user.name SurendraAllam
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04 (master)
$ git config --global user.email surendra151135@gmail.com
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04 (master)
$ git clone https://github.com/SurendraAllam/Project04Demo.git
Cloning into 'Project04Demo'...
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.
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04 (master)
$ ls
Project04Demo/
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04 (master)
$ cd Project04Demo
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ ls
README.md
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ |
```

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

- add
- commit
- push successful

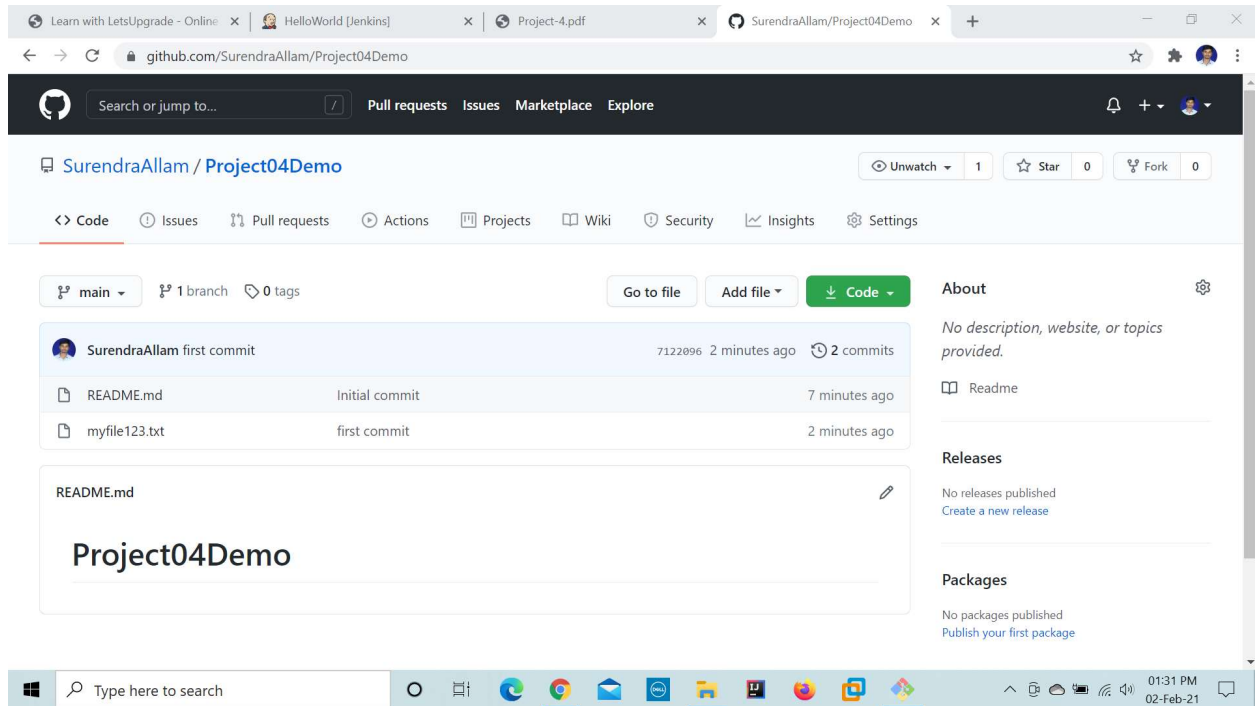
```
MINGW64/c/Project-04/Project04Demo
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ ls
README.md myfile123.txt
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ git add myfile123.txt
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ git 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:   myfile123.txt

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ git commit -m "first commit" myfile123.txt
[main 7122096] first commit
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 myfile123.txt
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (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
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ ls
README.md myfile123.txt
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ git push -u origin main
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 284 bytes | 284.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/SurendraAllam/Project04Demo.git
  8395cb7..7122096 main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ |
```

- show the file in remote repository



## Task4:Branching and merging

### Git branching:

- git branch
- git branch branchname
- git checkout branchname
- git merge branchname
- git branch -d branchname
- git branch -D branchname
- git checkout -b branchname
- git log

```
MINGW64/c/Project-04/Project04Demo
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ git branch
* main

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ git branch bb1

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ git branch bb2

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ git branch
bb1
bb2
* main

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (main)
$ git checkout bb2
Switched to branch 'bb2'

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (bb2)
$ git branch
bb1
bb2
* bb2
main

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (bb2)
$ git merge bb2
Already up to date.

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (bb2)
$ git branch -d bb1
Deleted branch bb1 (was 7122096).

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (bb2)
$ git branch
* bb2
main

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (bb2)
$ git checkout -b branch1
Switched to a new branch 'branch1'

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (branch1)
$ git branch
bb2
branch1
main
```

```
MINGW64/c/Project-04/Project04Demo
Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (bb2)
$ git merge bb2
Already up to date.

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (bb2)
$ git branch -d bb1
Deleted branch bb1 (was 7122096).

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (bb2)
$ git branch
* bb2
main

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (bb2)
$ git checkout -b branch1
Switched to a new branch 'branch1'

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (branch1)
$ git branch
bb2
branch1
main

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (branch1)
$ git branch -d bb2
Deleted branch bb2 (was 7122096).

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (branch1)
$ git branch
* branch1
main

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (branch1)
$ git log
commit 712209639c645f6129e66e2c94c81153626baa6c (HEAD -> branch1, origin/main, origin/HEAD, main)
Author: Surendra Allam <surendra151135@gmail.com>
Date: Tue Feb 2 13:30:06 2021 +0530

    first commit

commit 8395cb72a610bccdfd5ecc8d8252e7ebff837dd
Author: Surendra Allam <S7587179+SurendraAllam@users.noreply.github.com>
Date: Tue Feb 2 13:24:50 2021 +0530

    Initial commit

Surendra@DESKTOP-QQVAZDN MINGW64 /c/Project-04/Project04Demo (branch1)
$
```