1,Create a new git repository in your local machine and make an initial commit

```
C:\Users\Ruaman\OneDrive\Desktop\GIT files>git config --global user.name "ra
maanR07"

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git commit -m "commit"
Author identity unknown

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'Ruaman@MONITER.(none)')

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git config --global user.name "ra
maanR07"

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git config --global user.email "r
amanhacks1.left7@gmail.com"

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git commit -m "first commit"
on branch master

Initial commit

nothing to commit (create/copy files and use "git add" to track)

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git branch -m main

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git remote add origin https://git
hub.com/ramaanR07/git-GIT.git

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git commit -m "new file"
on branch main

Initial commit

nothing to commit (create/copy files and use "git add" to track)
```

2.push the changes from your local repository to remote repository on a hosting platform

```
C:\Users\Ruaman\OneDrive\Desktop\GIT files>git commit -m "first commit"
[main (root-commit) 3e7ffc7] first commit
Initial commit

nothing to commit (create/copy files and use "git add" to track)

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git branch -m main

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git remote add origin https://git
hub.com/ramaanR07/git-GIT.git

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git commit -m "new file"
on branch main

Initial commit

nothing to commit (create/copy files and use "git add" to track)

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git add
Nothing specified, nothing added.
hint: Maybe you meant to say, 'git add .'?
hint: Disable this message with "git config advice.addEmptyPathspec false"

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git add test.txt

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git commit -m "text file uploaded
"
[main (root-commit) f4180b1] text file uploaded
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 test.txt

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git push origin main
info: please complete authentication in your browser...
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 216 bytes | 216.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/ramaanR07/git-GIT.git
 * [new branch]      main -> main
```

3.clone an existing repository from a remote source to your local machine

```
C:\Users\Ruaman\OneDrive\Desktop\GIT files>git push origin main
info: please complete authentication in your browser...
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Writing objects: 100% (3/3), 216.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/ramaanR07/git-GIT.git
 * [new branch]      main -> main

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git clone https://github.com/rama
anR07/git-GIT.git
Cloning into 'git-GIT'...
remote: Enumerating objects: 3, done.
remote: Counting objects: 100% (3/3), done.
remote: Total 3 (delta 0), reused 3 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (3/3), done.

C:\Users\Ruaman\OneDrive\Desktop\GIT files>git status
on branch main
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .vs/

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

C:\Users\Ruaman\OneDrive\Desktop\GIT files>cd git-GIT

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git status
on branch main
your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>g
```

5.perform a merge operation,resolving the conflicts that arise

```
nothing to commit, working tree clean

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git branch
* main

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git branch test

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git branch
* main
  test

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git checkout test
Switched to branch 'test'

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git add index.html

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git commit -m "html file
uploaded"
[test 3d7bcc7] html file uploaded
 1 file changed, 0 insertions(+)
 create mode 100644 index.html

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git push origin test
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), 319 bytes | 159.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote:
remote: Create a pull request for 'test' on GitHub by visiting:
remote:      https://github.com/ramaanR07/git-GIT/pull/new/test
remote:
To https://github.com/ramaanR07/git-GIT.git
 * [new branch]      test -> test
```

```
C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git branch
  main
  test

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git checkout test
Switched to branch 'test'

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git add sample.html
fatal: pathspec 'sample.html' did not match any files

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git add sample.html

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git commit -m "sample
uploaded"
[test 7b017b6] sample file uploaded
 1 file changed, 0 insertions(+)
 create mode 100644 sample.html

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git push origin test
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 267 bytes | 133.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
To https://github.com/ramaanR07/git-GIT.git
   3d7bcc7..7b017b6  test -> test

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>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)

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git merge test
Updating 3d7bcc7..7b017b6
Fast-forward
 sample.html | 1 +
 1 file changed, 1 insertion(+)
 create mode 100644 sample.html

C:\Users\Ruaman\OneDrive\Desktop\GIT files\git-GIT>git push origin main
To https://github.com/ramaanR07/git-GIT.git
```