Task 1

```
"issue_avents_un": "https://api.github.com/repos/geawareofme/comizance/issues/events{/number}".
"assignees_ur": "https://api.github.com/repos/geawareofme/comizance/avents"
"assignees_ur": "https://api.github.com/repos/geawareofme/comizance/assignees_fuser;".
"branches_ur": "https://api.github.com/repos/geawareofme/comizance/assignees_fuser;".
"branches_ur": "https://api.github.com/repos/geawareofme/comizance/assignees_fuser;".
"blobs_ur": "https://api.github.com/repos/geawareofme/comizance/git/lobs/s/sha)".
"git_tags_ur": "https://api.github.com/repos/geawareofme/comizance/git/lobs/s/sha)".
"git_tags_ur": "https://api.github.com/repos/geawareofme/comizance/git/lobs/s/sha)".
"git_tags_ur": "https://api.github.com/repos/geawareofme/comizance/git/lobs/s/sha)".
"git_tags_ur": "https://api.github.com/repos/geawareofme/comizance/git/lobs/s/sha)".
"git_tags_ur": "https://api.github.com/repos/geawareofme/comizance/situances/situances/git/lobs/sha]".
"statuses_ur": "https://api.github.com/repos/geawareofme/comizance/statuses/sha]".
"languages_ur": "https://api.github.com/repos/geawareofme/comizance/statuses/sha]".
"statuses_ur": "https://api.github.com/repos/geawareofme/comizance/subscribers."
"subscribers_ur": "https://api.github.com/repos/geawareofme/comizance/subscribers."
"subscribers_ur": "https://api.github.com/repos/geawareofme/comizance/subscribers."
"git_commits_ur": "https://api.github.com/repos/geawareofme/comizance/subscribers."
"git_commits_ur": "https://api.github.com/repos/geawareofme/comizance/subscribers."
"git_commits_ur": "https://api.github.com/repos/geawareofme/comizance/subscribers."
"git_commits_ur": "https://api.github.com/repos/geawareofme/comizance/subscribers."
"git_ur_i": "https://api.github.com/repos/geawareofme/comizance/subscribers."
"git_ur_i": "https://api.github.com/repos/geawareofme/comizance/subscribers."
"git_ur_i": "https://api.github.com/repos/geawareofme/comizance/subscribers."
"git_ur_i": "https://api.github.com/repos/geawareofme/comizance/subscribers."
"git_ur_i": "https://api.g
```

```
"stergares_count": 0,
    "stergares_count": 0,
    "archares_count": 0,
    "language_cuil],
    "has_issues": true,
    "has_sissues": true,
    "has_bages": false,
    "forks_count": 0,
    "mirror_url": null,
    "archived": false,
    "disabled": false,
    "disabled": false,
    "open_issues_count": 0,
    "license": null,
    "allow_forking": true,
    "is_temp late": false,
    "open_issues": 0,
    "watchers": 0,
    "open_issues": 0,
    "watchers": 0,
    "defaul_branch": main",
    "permissions": {
        "admini": true,
        "maintain": true,
        "maintain": true,
        "publ': true
    "riage": true,
    "ullow_soussh_merge": true,
    "ullow_reps_commit': true,
    "allow_nerges": true,
    "allow_nerges": true,
    "allow_nerges": false,
    "delete_branch_on_merge": false,
    "delete_branch_on_merge": false,
    "delete_branch_on_merges, false,
    "allow_nerges_count": 0
    "subscribers_count": 0
```

```
"has_jssues": true,
    "has_downloads': true,
    "has_downloads': true,
    "has_downloads': true,
    "as_wif': true,
    ""forks_count": 0,
    ""forks_count": 0,
    ""in'ror_un'!: null,
    "archived': false,
    "open_issues_count": 0,
    "license': null,
    "allow_forking': true,
    "is_template': false,
    "copics': [

| "visibility": "public",
    "forks': 0,
    "open_issues": 0,
    "watchers': 0,
    "default_branch': "main",
    "permissions': (
    "admin": true,
    "maintain": true,
    "maintain": true,
    "pull": true
    "pull": true
    "allow_squash_merge": true,
    "allow_squash_merge': true,
    "allow_squash_merge': true,
    "allow_squash_merge': false,
    "allow_adusto_merge': false,
```

```
ans@DESKTOP-KD3PIPF MINGw64 ~/Cognizance (master)
 rans@DESKTOP-KD3PIPF MINGw64 ~/Cognizance (master)
ght init
einitialized existing Git repository in C:/Users/prans/Cognizance/.git/
  rans@DESKTOP-KD3PIPF MINGw64 ~/Cognizance (master)
git add Task1
  rans@DESKTOP-KD3PIPF MINGm64 -/cognizance (master)
git commit -m "First task commit"
master (root-commit) f0c615e] First task commit
Lifile changed, 0 insertions(-), 0 deletions(-)
create mode 100644 Task)
rans@DESKTOP-KO3PIPF MING#64 ~/Cognizance (master)
git remote add origin https://github.com/Beawareofme/Cognizance.git
rror: remote origin already exists.
 rror: remote origin already exists.

git push -u origin master
git push -u origin master
he authenticity of host; github.com (13.234.210.38) can't be established.
Distable by fine of host pithub.com (13.234.210.38) can't be established.
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Distable by fine of host pithub.com (13.234.210.38) can't be established.
Distable by fine of host pithub.com (13.234.210.38) can't be established.
Distable by fine of host pithub.c
 lease make sure you have the correct access rights
nd the repository exists.
  undiconstructure in the model -/cognizance (master)
ssh-keygen -t ed25519 -c "pranshul191091938gmail.com"
nerrating public/private ed25519 key pair.
tter file in which to save the key (/c/Users/prans/.ssh/id_ed25519):
tter file in maintaine (empty for no passphrase):
tter samme passphrase again:
 rans@DEEXTOP-KDJPIPF MINGW64 -/cognizance (master)
aval "$(ssh-agent -s)"
yent pid 1382
  rans@DESKTOP-KD3PIPF MINGW64 ~/Cognizance (master)
ssh-add ~/.ssh/id_ed25519
dentity added: /c/Users/prans/.ssh/id_ed25519 (pranshul19109193@gmail.com)
       ans@DESKTOP-KD3PIPF MINGW64 ~/Cognizance (master)
cat ~/.ssh/id_ed25519.pub
n-ed25519 AAAAC3N2acIlZDIINTE5AAAAIDO5MN7cpDmJROv4yykjBdvzvsVs5HohqlgsmMRJAUts pranshul19109193@gmail.com
 Sn-eac/3519 AAAC/372CLIZDIINTESAAAAIDOSWN/CPDmJROV479K;BdvZ
ransWDESKTOP-KD3PIPF MINGM64 -/Cognizance (master)
git push -u origin master
numerating objects: 3, done.
ounting objects: 100% (3/3), done.
riting objects: 100% (3/3), 216 bytes | 216.00 KiB/s, done.
otal 3 (delta 0), reused 0 (delta 0), pack-reused 0
o github.com:Beawareofme/Cognizance.git
* [new branch] master -> master
ranch 'master' set up to track 'origin/master'.
  rans@DESKTOP-KO3PIPF MINGW64 ~/Cognizance (master)
git push origin master
```

```
pransBDESKTOP-ND3PIPF NJNOM64 -/Cognizance (master)

pransbDESKTOP-ND3PIPF NJNOM64 -/
```

Task 4

Here I have used add command, commit command

Add command: to shift the file to be staged.

Commit command: Commits staged changes to a local branch.

```
prans@DESKTOP-K03PIPF MINGw64 ~/cognizance (master)
$ lad
bash: lad: command not found

prans@DESKTOP-K03PIPF MINGw64 ~/cognizance (master)
$ la

Task1 welcome.txt

prans@DESKTOP-K03PIPF MINGw64 ~/cognizance (master)
$ cd Task1
bash: cd: Task1: Not a directory

prans@DESKTOP-K03PIPF MINGw64 ~/cognizance (master)
$ cd Task1/
bash: cd: Task1/: Not a directory

prans@DESKTOP-K03PIPF MINGw64 ~/cognizance (master)
$ cd Task1/
bash: cd: Task1: No such file or directory

prans@DESKTOP-K03PIPF MINGw64 ~/cognizance (master)
$ touch index.html

prans@DESKTOP-K03PIPF MINGw64 ~/cognizance (master)
$ touch bilo.py

prans@DESKTOP-K03PIPF MINGw64 ~/cognizance (master)
$ touch bello.py

prans@DESKTOP-K03PIPF MINGw64 ~/cognizance (master)
$ touch bye.c

prans@DESKTOP-K03PIPF MINGw64 ~/cognizance (master)
$ on branch master
your branch is up to date with 'origin/master'.

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

welcome.txx
bye.c

b
```

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

prans#DESKTOP-KD3PIPF MING#64 -/Cognizance (master)
5 git add -/ cognizance (master)
6 git actual cognizance (master)
7 cur branch is up to date with 'origin/master'.
7 changes to be committed:
8 (use "git restore --staged <file>..." to unstage)
8 new file: bye.c
9 new file: helio.py
9 new file: helio.py
9 new file: index.html

1 prans#DESKTOP-KD3PIPF MING#64 -/Cognizance (master)
5 git status
9 on branch is up to date with 'origin/master'.
7 changes to be committed:
9 (use "git restore --staged file>..." to unstage)
9 new file: helio.py
9 new file: helio.py
1 new file: wide.one tat
9 new file: helio.py
1 new file: index.html

1 changes not staged for commit:
9 (use "git restore --staged frie>..." to discard changes in working directory)
1 medified: helio.py
1 new file: helio
```

```
PRAISSOESKTOP-KD3PIPF MINGW64 -/Cognizance (master)

5 git add -A

5 git status

on branch master

your branch is up to date with 'origin/master'.

Changes to be committed:

(use 'git restore --staged <file>..." to unstage)

new file: welcome.txt

new file: bello.py

new file: hello.py

new file: hello.py

new file: hello.py

new file: neado origin https://github.com/Beawareofme/Cognizance.git

prans@DESKTOP-KD3PIPF MINGW64 -/Cognizance (master)

5 git remote add origin https://github.com/Beawareofme/Cognizance.git

prans@DESKTOP-KD3PIPF MINGW64 -/Cognizance (master)

5 git push -u origin master

branch 'master' set up to track 'origin/master'.

Prans@DESKTOP-KD3PIPF MINGW64 -/Cognizance (master)

5 git status

on branch master

your branch 'master' set up to date with 'origin/master'.

Changes to be committed:

(use 'git restore --staged <file>..." to unstage)

new file: welcome.txt

new file: belc.py

new file: hello.py

new file: index.html

prans@DESKTOP-KD3PIPF MINGW64 -/Cognizance (master)

5 git commit -a -m "'Taskl. part4 commit"
```

```
PRAISBOESKTOP-KO3PIPP MINGM64 -/Cognizance (master)

S git commit -a -m 'Taskl part4 commit'
[master ba048de] Taskl part4 commit'
4 rate behavior of the part4 commit'
5 rate behavior of the part4 commit'
6 rate behavior of the part4 commit'
7 reate mode 100644 bid part4 commit of the part4 commit of
```

Push command usage: Uploads changes from all local branches to the respective remote repositories.

```
### A PRINCE CONTINUES OF THE PRINCE OF THE
```

```
prans@DESKTOP-KD3PIPF MINOw64 -/Cognizance (master)

5 git checkout bye.c
updated 0 paths from the index

prans@DESKTOP-KD3PIPF MINOw64 -/Cognizance (master)

5 git status

on branch master

Your branch is up to date with 'origin/master'.

Changes not staged for commit:

(use "git radd -file-..." to update what will be committed)
(use "git restore -file-..." to discard changes in working directory)

modified: bye.c

no changes added to commit (use "git add" and/or "git commit -a")

prans@DESKTOP-KD3PIPF MINOw64 -/Cognizance (master)

5 git add bye.c

prans@DESKTOP-KB3PIPF MINOw64 -/Cognizance (master)

5 git status

on branch master

your branch is up to date with 'origin/master'.

changes to be committed:

(use "git restore --staged -file-..." to unstage)

modified: bye.c

prans@DESKTOP-KB3PIPF MINOw64 -/Cognizance (master)

5 git status

on branch master

your branch is up to date with 'origin/master'.

changes to be committed:

(use "git restore --staged -/Cognizance (master)

5 git status

on branch master

your branch is up to date with 'origin/master'.

changes to be committed:

(use "git restore --staged -/Cognizance (master)

5 git status

on branch master

your branch is up to date with 'origin/master'.

changes to be committed:

(use "git restore --staged -/Cognizance (master)

5 git status

on branch master

your branch is up to date with 'origin/master'.

changes to be committed:

(use "git restore --staged -/Cognizance (master)

5 git restore --staged -/Cognizance (master)
```

```
Changes to be committed:

(use "git restore --staged <file>..." to unstage)
modified: bye.c

prans@DESKTOP-KD3PIPF MINGW64 -/cognizance (master)
$ git status
on branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:

(use "git restore --staged <file>..." to unstage)
modified: bye.c

changes not staged for commit:

(use "git restore -file>..." to update what will be committed)

(use "git restore -file>..." to discard changes in working directory)

prans@DESKTOP-KD3PIPF MINGW64 -/Cognizance (master)
$ git checkout bye.c

updated 1 path from the index

prans@DESKTOP-KD3PIPF MINGW64 -/Cognizance (master)
$ git status
on branch master
Your branch is up to date with 'origin/master'.

Changes to be committed:

(use "git restore --staged <file>..." to unstage)
modified: bye.c

Changes not staged for commit:
(use "git restore --staged <file>..." to unstage)
modified: bye.c

Changes not staged for commit:
(use "git restore --staged <file>..." to unstage)
modified: bye.c
```

```
prans#DESKTOP-KO3PIPF MINGW64 ~/cognizance (master)
$ git checkout --help
prans#DESKTOP-KO3PIPF MINGW64 ~/cognizance (master)
$ git branch Test1

prans#DESKTOP-KO3PIPF MINGW64 ~/cognizance (master)
$ git branch Test1

master

prans#DESKTOP-KO3PIPF MINGW64 ~/cognizance (master)
$ git checkout Test1

M bye.c

M hello.py
M index.html

prans#DESKTOP-KO3PIPF MINGW64 ~/cognizance (Test1)
$ git branch master
fata1: a branch named 'master' already exists

prans#DESKTOP-KO3PIPF MINGW64 ~/cognizance (Test1)
$ git checkout master

Switched to branch 'master'

M bye.c

M hello.py
M index.html

Your branch is up to date with 'origin/master'.

prans#DESKTOP-KO3PIPF MINGW64 ~/cognizance (master)
$ git checkout -b Test1
$ git checkout -b Test2
$ git checkout -b Test2
$ git checko
```

Here I have used pull command, fetch command and checkout command

Pull command: Fetches remote changes on the current branch into the local clone, and merges them into the current working files.

Fetch command: Downloads changes from a remote repository into the local clone.

Checkout command: Replaces the current working files with files from a branch.

```
SMDESKTOP-KD3PIPF MINOM64 -/Cognizance (master) t pull github.com:Beawareoffme/Cognizance solcho.idd5920 master -> origin/master e made by the 'ort' strategy.come.txt | 1 + txt | 1 + txt
                                                                   ISOTOP-KO301PF MINOW64 -/Cognizance (master)

With Law Infigin mastetone,
Ing objects toone,
Ing objects: 100% (12/12), done,
Impression using up to 8 threads
Ing objects: 100% (6/6), done,
Objects: 100% (6/6), done,
Objects: 100% (7/7), 889 bytes | 444.00 Ki8/s, done,
(delta 2), reused 0 (delta 0), pack-reused 0,
Resolving deltas: 100% (2/2), completed with 1 local object.
b. com. Beawareofne/Cognizance.got
master' set up to track 'origin/master'.

Master' set up to track 'origin/master'.
                                                                   /c/Livers/prans/Cognizance
SKTOP-KD3PIPF MINGW64 ~/Cognizance (master)
                                                 DESKTOP-KD3PIPF MINGW64 ~/cognizance (master)
checkout contact
pathspec 'contact' did not match any file(s) known to git
                                                          ESKTOP-KO3PIPF MINGW64 ~/cognizance (master)
heckout Contact'
pathspec 'Contact' did not match any file(s) known to git
rensBDESKTOP-KD3PIPF MINGWS4 ~/Cognizance (master)
git fetch origin
mente: Enumerating objects: 4, done.
mente: Countring objects: 100% (4/4), done.
mente: Countring objects: 100% (3/3), done.
mente: corressing objects: 100% (3/3), done.
mente: original objects: 100% (3/3), done.
original objects: 100% (3/4), done.
original objects
         massDESEXTOP-KGJEIPF MINGW64 ~/Cognizance (master) git checkout Contact tontact' contact' anch 'Contact' set up to track 'origin/Contact'.
      ans@DESKTOP-KD3PIPF MINGW64 ~/Cognizance (Contact)
      ans@DESKTOP-KD3PIPF MINGW64 ~/Cognizance (Contact) git checkout master vitched to branch 'master'
      ransMDESKTOP-KD3PIPF MINGW64 ~/cognizance (contact) git checkout master vitched to branch 'master'.
pur branch is up to date with 'origin/master'.
```

Merge: Merges files from a given branch into the current branch.

```
prans@DESKTOP-KD3PIPF MINGW64 -/Cognizance (master)
$ code .

prans@DESKTOP-KD3PIPF MINGW64 -/Cognizance (master)
$ git status
on branch master
Your Dranch is thead of 'origin/master' by 3 commits.
(use "git push" to publish your local commits)

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

**I.ixt
f.ixt
f
```

Rebase: Integrates changes from one branch into another. It is an alternative to the better known "merge" command.

```
**Signature **Comparison **Comp
```

```
### A Committed Committed

### A Committ
```

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

pransBDESKTOP-KD3PIPF MINGW64 ~/Cognizance (master)

$ git add ~ A

pransBDESKTOP-KD3PIPF MINGW64 ~/Cognizance (master)

$ git commit -a -m "hello"

[master ad75sec] hello

I file changed, I insertion(+)

create mode 10064 bl.tat

pransBDESKTOP-KD3PIPF MINGW64 ~/Cognizance (master)

$ git checkout test

error: pathspec 'tets' did not match any file(s) known to git

pransBDESKTOP-KD3PIPF MINGW64 ~/Cognizance (master)

$ git checkout test

switched to branch 'test'

PransBDESKTOP-KD3PIPF MINGW64 ~/Cognizance (test)

$ 1s

TaskL welcome.txt al.txt bye.c contact.txt fl.txt f2.txt hello.py hi.txt index.html ml.txt m2.txt

pransBDESKTOP-KD3PIPF MINGW64 ~/Cognizance (test)

$ git rebase master

Successfully rebased and updated refs/heads/test.

pransBDESKTOP-KD3PIPF MINGW64 ~/Cognizance (test)

$ 1s

TaskL welcome.txt al.txt bl.txt bye.c contact.txt fl.txt f2.txt hello.py hi.txt index.html m1.txt m2.txt

pransBDESKTOP-KD3PIPF MINGW64 ~/Cognizance (test)

$ 1s

TaskL welcome.txt al.txt bl.txt bye.c contact.txt fl.txt f2.txt hello.py hi.txt index.html m1.txt m2.txt

pransBDESKTOP-KD3PIPF MINGW64 ~/Cognizance (test)

$ 1s

TaskL welcome.txt al.txt bl.txt bye.c contact.txt fl.txt f2.txt hello.py hi.txt index.html m1.txt m2.txt

pransBDESKTOP-KD3PIPF MINGW64 ~/Cognizance (test)

$ 1s

TaskL welcome.txt al.txt bl.txt bye.c contact.txt fl.txt f2.txt hello.py hi.txt index.html m1.txt m2.txt
```

Reset: Makes the current branch point to some specific revision or branch

Clone: Clone an existing repository into a new directory.

anges to be committed: (use "git restore --staged <file>..." to unstage)

```
Interest to the state of the st
```

Fork: Fork will create a copy of the repository in your GitHub account so that you can make changes to the project.

