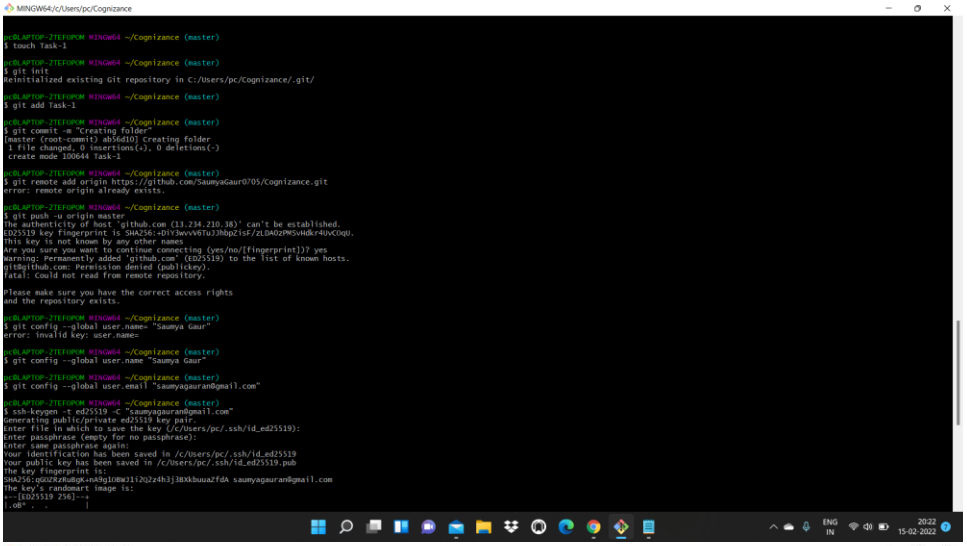
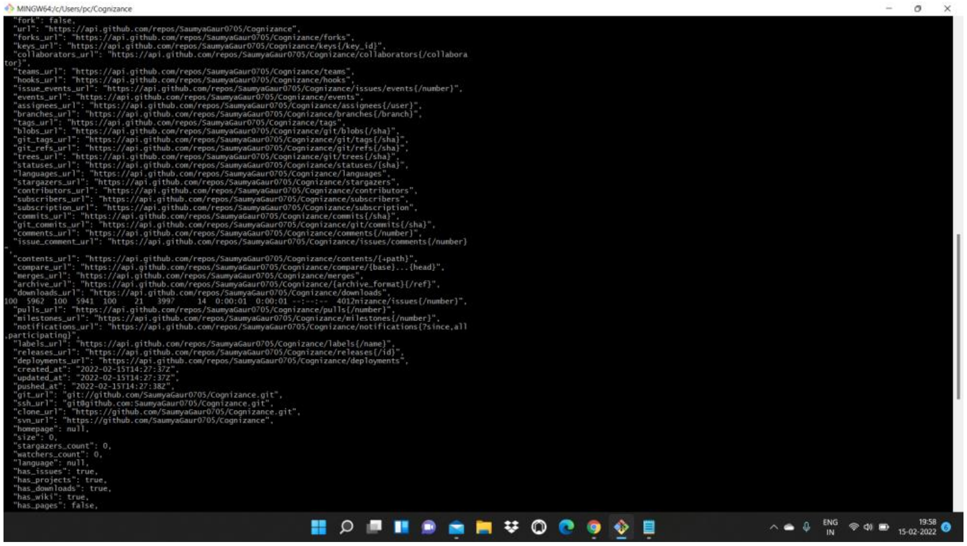
Task 1-

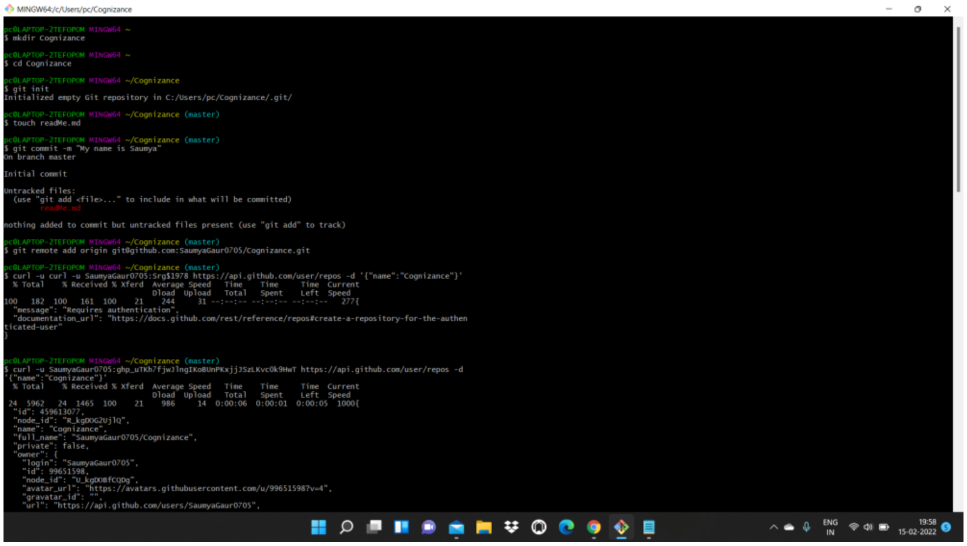
Creating a repository with name “Cognizance” on GitHub using Git Bash.



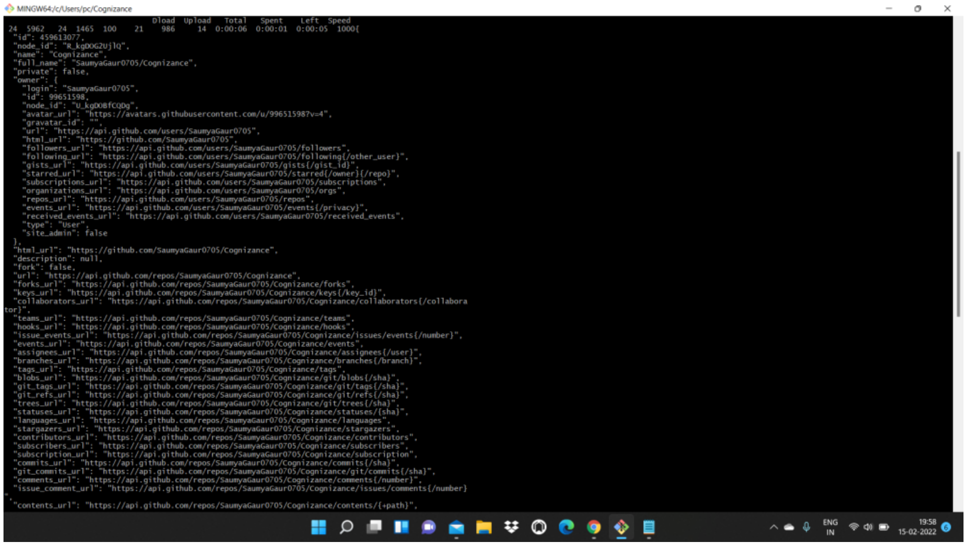
```
pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ touch Task-1

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git init
Reinitialized existing Git repository in C:/Users/pc/Cognizance/.git/

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git add Task-1

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git commit -m "Creating folder"
[master (root-commit) ab56d10] Creating folder
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 Task-1

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git remote add origin https://github.com/SaumyaGaur0705/Cognizance.git
error: remote origin already exists.

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git push -u origin master
The authenticity of host 'github.com (13.234.210.38)' can't be established.
ED25519 key fingerprint is SHA256:+DiY3wvvV6TuJJhbpZisF/zLDA0zPMSvHdkr4UvCOqU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'github.com' (ED25519) to the list of known hosts.
git@github.com: Permission denied (publickey).
fatal: Could not read from remote repository.

Please make sure you have the correct access rights
and the repository exists.

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git config --global user.name= "Saumya Gaur"
error: invalid key: user.name=

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git config --global user.name "Saumya Gaur"

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git config --global user.email "saumyagauran@gmail.com"

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ ssh-keygen -t ed25519 -C "saumyagauran@gmail.com"
Generating public/private ed25519 key pair.
Enter file in which to save the key (/c/Users/pc/.ssh/id_ed25519):
Enter passphrase (empty for no passphrase):
Enter same passphrase again:
Your identification has been saved in /c/Users/pc/.ssh/id_ed25519
Your public key has been saved in /c/Users/pc/.ssh/id_ed25519.pub
The key fingerprint is:
SHA256:qGDZRzRuBgK+nA9g1OBWJ1i2Q2z4h3j3BXkbuuaZfdA saumyagauran@gmail.com
The key's randomart image is:
+--[ED25519 256]--+
|.oB* .  .        |
```



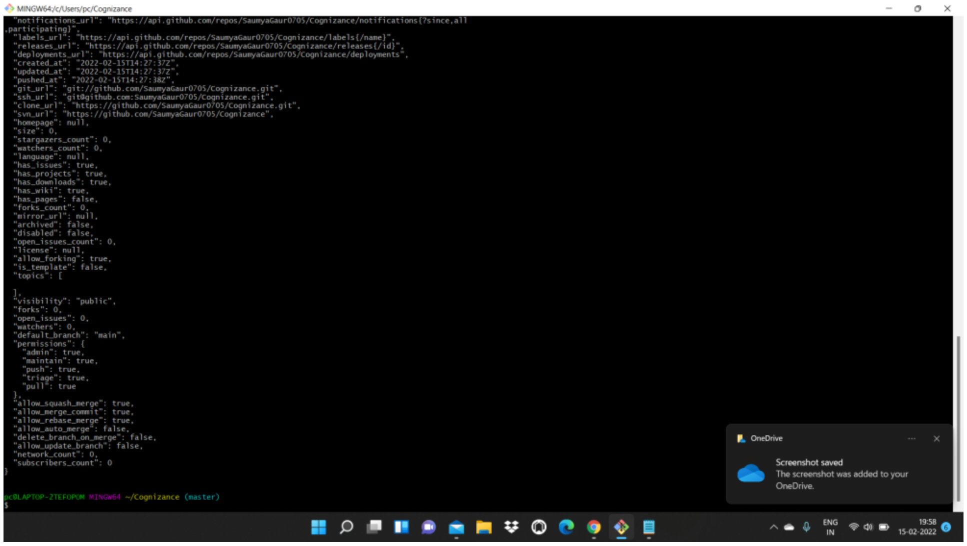
```
  "fork": false,
  "url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance",
  "forks_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/forks",
  "keys_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/keys{/key_id}",
  "collaborators_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/collaborators{/collabora
tor}",
  "teams_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/teams",
  "hooks_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/hooks",
  "issue_events_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/issues/events{/number}",
  "events_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/events",
  "assignees_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/assignees{/user}",
  "branches_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/branches{/branch}",
  "tags_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/tags",
  "blobs_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/git/blobs{/sha}",
  "git_tags_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/git/tags{/sha}",
  "git_refs_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/git/refs{/sha}",
  "trees_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/git/trees{/sha}",
  "statuses_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/statuses/{sha}",
  "languages_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/languages",
  "stargazers_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/stargazers",
  "contributors_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/contributors",
  "subscribers_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/subscribers",
  "subscription_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/subscription",
  "commits_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/commits{/sha}",
  "git_commits_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/git/commits{/sha}",
  "comments_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/comments{/number}",
  "issue_comment_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/issues/comments{/number}
",
  "contents_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/contents/{+path}",
  "compare_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/compare/{base}...{head}",
  "merges_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/merges",
  "archive_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/{archive_format}{/ref}",
  "downloads_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/downloads",
100  5962  100  5941  100    21   3997     14  0:00:01  0:00:01 --:--:--  4012nizance/issues{/number}",
  "pulls_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/pulls{/number}",
  "milestones_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/milestones{/number}",
  "notifications_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/notifications{?since,all
,participating}",
  "labels_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/labels{/name}",
  "releases_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/releases{/id}",
  "deployments_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/deployments",
  "created_at": "2022-02-15T14:27:37Z",
  "updated_at": "2022-02-15T14:27:37Z",
  "pushed_at": "2022-02-15T14:27:38Z",
  "git_url": "git://github.com/SaumyaGaur0705/Cognizance.git",
  "ssh_url": "git@github.com:SaumyaGaur0705/Cognizance.git",
  "clone_url": "https://github.com/SaumyaGaur0705/Cognizance.git",
  "svn_url": "https://github.com/SaumyaGaur0705/Cognizance",
  "homepage": null,
  "size": 0,
  "stargazers_count": 0,
  "watchers_count": 0,
  "language": null,
  "has_issues": true,
  "has_projects": true,
  "has_downloads": true,
  "has_wiki": true,
  "has_pages": false,
```



```
pc@LAPTOP-2TEFOPOM MINGW64 ~
$ mkdir Cognizance

pc@LAPTOP-2TEFOPOM MINGW64 ~
$ cd Cognizance

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance
$ git init
Initialized empty Git repository in C:/Users/pc/Cognizance/.git/

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ touch readMe.md

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git commit -m "My name is Saumya"
On branch master

Initial commit

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

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

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git remote add origin git@github.com:SaumyaGaur0705/Cognizance.git

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ curl -u curl -u SaumyaGaur0705:Srg$1978 https://api.github.com/user/repos -d '{"name":"Cognizance"}'
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100   182  100   161  100    21    244     31 --:--:-- --:--:-- --:--:--   277{
  "message": "Requires authentication",
  "documentation_url": "https://docs.github.com/rest/reference/repos#create-a-repository-for-the-authen
ticated-user"
}


pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ curl -u SaumyaGaur0705:ghp_uTKh7fjwJlngIKoBUnPKxjjJSzLKvcOk9HwT https://api.github.com/user/repos -d
'{"name":"Cognizance"}'
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
 24  5962   24  1465  100    21    986     14  0:00:06  0:00:01  0:00:05  1000{
  "id": 459613077,
  "node_id": "R_kgDOG2UjlQ",
  "name": "Cognizance",
  "full_name": "SaumyaGaur0705/Cognizance",
  "private": false,
  "owner": {
    "login": "SaumyaGaur0705",
    "id": 99651598,
    "node_id": "U_kgDOBfCQDg",
    "avatar_url": "https://avatars.githubusercontent.com/u/99651598?v=4",
    "gravatar_id": "",
    "url": "https://api.github.com/users/SaumyaGaur0705",
```



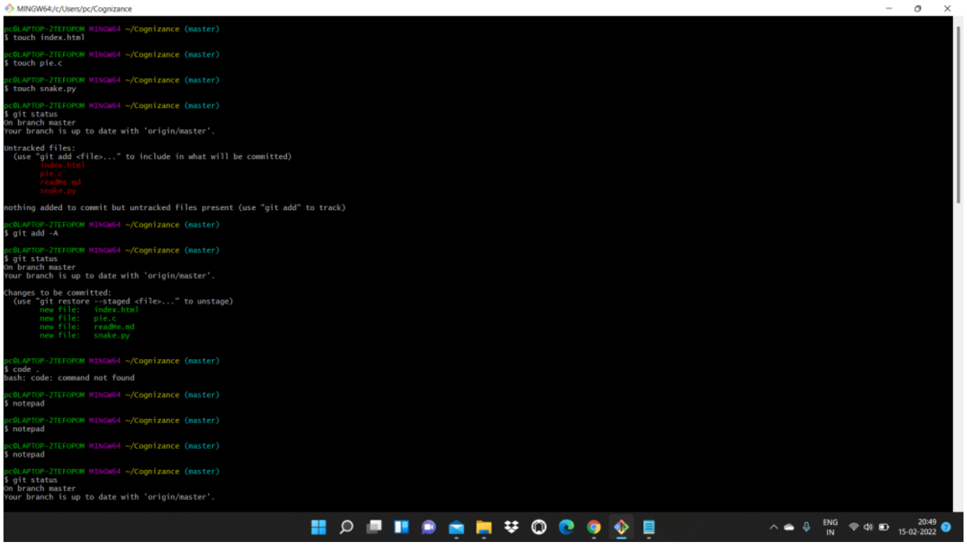
```
                                 Dload  Upload   Total   Spent    Left  Speed
 24  5962   24  1465  100    21    986     14  0:00:06  0:00:01  0:00:05  1000{
  "id": 459613077,
  "node_id": "R_kgDOG2UjlQ",
  "name": "Cognizance",
  "full_name": "SaumyaGaur0705/Cognizance",
  "private": false,
  "owner": {
    "login": "SaumyaGaur0705",
    "id": 99651598,
    "node_id": "U_kgDOBfCQDg",
    "avatar_url": "https://avatars.githubusercontent.com/u/99651598?v=4",
    "gravatar_id": "",
    "url": "https://api.github.com/users/SaumyaGaur0705",
    "html_url": "https://github.com/SaumyaGaur0705",
    "followers_url": "https://api.github.com/users/SaumyaGaur0705/followers",
    "following_url": "https://api.github.com/users/SaumyaGaur0705/following{/other_user}",
    "gists_url": "https://api.github.com/users/SaumyaGaur0705/gists{/gist_id}",
    "starred_url": "https://api.github.com/users/SaumyaGaur0705/starred{/owner}{/repo}",
    "subscriptions_url": "https://api.github.com/users/SaumyaGaur0705/subscriptions",
    "organizations_url": "https://api.github.com/users/SaumyaGaur0705/orgs",
    "repos_url": "https://api.github.com/users/SaumyaGaur0705/repos",
    "events_url": "https://api.github.com/users/SaumyaGaur0705/events{/privacy}",
    "received_events_url": "https://api.github.com/users/SaumyaGaur0705/received_events",
    "type": "User",
    "site_admin": false
  },
  "html_url": "https://github.com/SaumyaGaur0705/Cognizance",
  "description": null,
  "fork": false,
  "url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance",
  "forks_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/forks",
  "keys_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/keys{/key_id}",
  "collaborators_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/collaborators{/collabora
tor}",
  "teams_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/teams",
  "hooks_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/hooks",
  "issue_events_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/issues/events{/number}",
  "events_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/events",
  "assignees_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/assignees{/user}",
  "branches_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/branches{/branch}",
  "tags_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/tags",
  "blobs_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/git/blobs{/sha}",
  "git_tags_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/git/tags{/sha}",
  "git_refs_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/git/refs{/sha}",
  "trees_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/git/trees{/sha}",
  "statuses_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/statuses/{sha}",
  "languages_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/languages",
  "stargazers_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/stargazers",
  "contributors_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/contributors",
  "subscribers_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/subscribers",
  "subscription_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/subscription",
  "commits_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/commits{/sha}",
  "git_commits_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/git/commits{/sha}",
  "comments_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/comments{/number}",
  "issue_comment_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/issues/comments{/number}
",
  "contents_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/contents/{+path}",
```


MINGW64:/c/Users/pc/Cognizance
OneDrive
Screenshot saved
The screenshot was added to your OneDrive.
ENG IN
19:58
15-02-2022

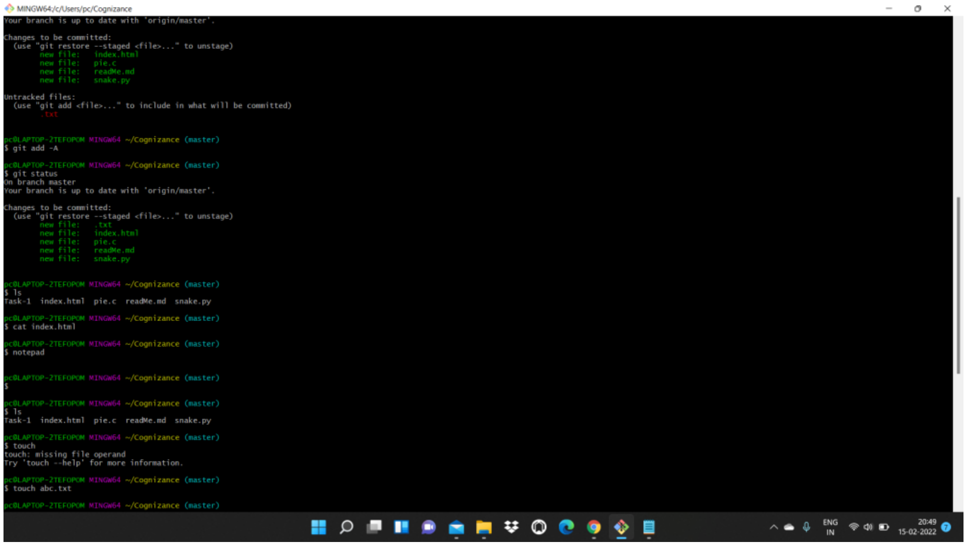
```
  "notifications_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/notifications{?since,all
,participating}",
  "labels_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/labels{/name}",
  "releases_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/releases{/id}",
  "deployments_url": "https://api.github.com/repos/SaumyaGaur0705/Cognizance/deployments",
  "created_at": "2022-02-15T14:27:37Z",
  "updated_at": "2022-02-15T14:27:37Z",
  "pushed_at": "2022-02-15T14:27:38Z",
  "git_url": "git://github.com/SaumyaGaur0705/Cognizance.git",
  "ssh_url": "git@github.com:SaumyaGaur0705/Cognizance.git",
  "clone_url": "https://github.com/SaumyaGaur0705/Cognizance.git",
  "svn_url": "https://github.com/SaumyaGaur0705/Cognizance",
  "homepage": null,
  "size": 0,
  "stargazers_count": 0,
  "watchers_count": 0,
  "language": null,
  "has_issues": true,
  "has_projects": true,
  "has_downloads": true,
  "has_wiki": true,
  "has_pages": false,
  "forks_count": 0,
  "mirror_url": null,
  "archived": false,
  "disabled": false,
  "open_issues_count": 0,
  "license": null,
  "allow_forking": true,
  "is_template": false,
  "topics": [

  ],
  "visibility": "public",
  "forks": 0,
  "open_issues": 0,
  "watchers": 0,
  "default_branch": "main",
  "permissions": {
    "admin": true,
    "maintain": true,
    "push": true,
    "triage": true,
    "pull": true
  },
  "allow_squash_merge": true,
  "allow_merge_commit": true,
  "allow_rebase_merge": true,
  "allow_auto_merge": false,
  "delete_branch_on_merge": false,
  "allow_update_branch": false,
  "network_count": 0,
  "subscribers_count": 0
}


pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$
```

Task 2-

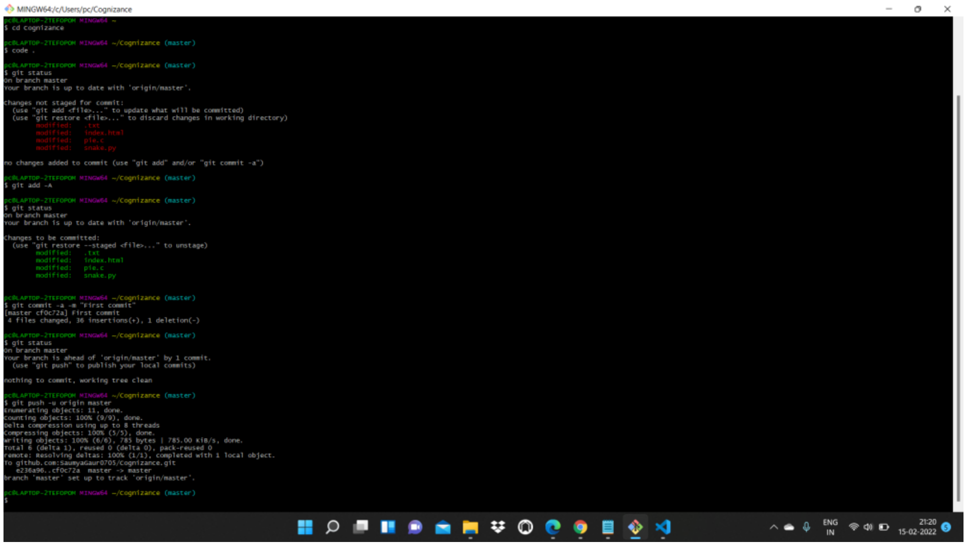
Creating a folder with name “Task-1” in the repository and perform the Git operations using Git Bash.



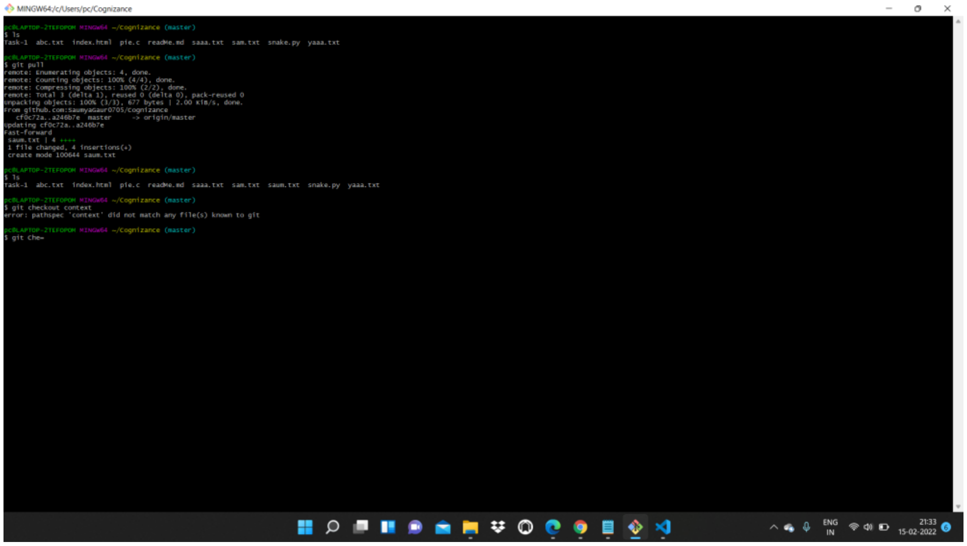
```
pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ touch index.html

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ touch pie.c

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ touch snake.py

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git status
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)
        index.html
        pie.c
        readMe.md
        snake.py

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

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git add -A

pc@LAPTOP-2TEFOPOM 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)
        new file:   index.html
        new file:   pie.c
        new file:   readMe.md
        new file:   snake.py


pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ code .
bash: code: command not found

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ notepad

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ notepad

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ notepad

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.
```



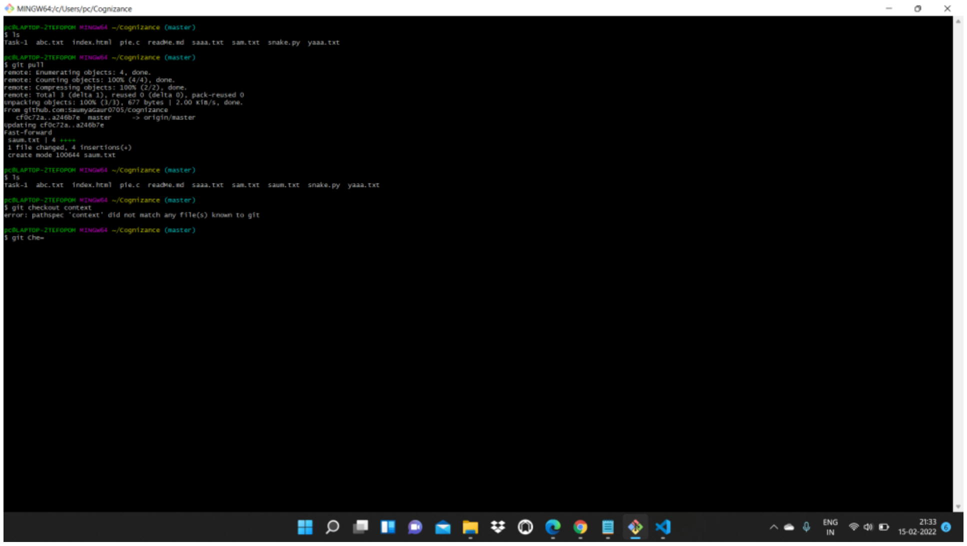
```
Your branch is up to date with 'origin/master'.

Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   index.html
        new file:   pie.c
        new file:   readMe.md
        new file:   snake.py

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


pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git add -A

pc@LAPTOP-2TEFOPOM 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)
        new file:   .txt
        new file:   index.html
        new file:   pie.c
        new file:   readMe.md
        new file:   snake.py


pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ ls
Task-1  index.html  pie.c  readMe.md  snake.py

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ cat index.html

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ notepad


pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ ls
Task-1  index.html  pie.c  readMe.md  snake.py

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ touch
touch: missing file operand
Try 'touch --help' for more information.

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ touch abc.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
```



```
pc@LAPTOP-2TEFOPOM MINGW64 ~
$ cd cognizance

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ code .

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   .txt
        modified:   index.html
        modified:   pie.c
        modified:   snake.py

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

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git add -A

pc@LAPTOP-2TEFOPOM 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:   .txt
        modified:   index.html
        modified:   pie.c
        modified:   snake.py


pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git commit -a -m "First commit"
[master cf0c72a] First commit
 4 files changed, 36 insertions(+), 1 deletion(-)

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git push -u origin master
Enumerating objects: 11, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 785 bytes | 785.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:SaumyaGaur0705/Cognizance.git
   e236a96..cf0c72a  master -> master
branch 'master' set up to track 'origin/master'.

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$
```



```
pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ ls
Task-1  abc.txt  index.html  pie.c  readMe.md  saaa.txt  sam.txt  snake.py  yaaa.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 677 bytes | 2.00 KiB/s, done.
From github.com:SaumyaGaur0705/Cognizance
   cf0c72a..a246b7e  master     -> origin/master
Updating cf0c72a..a246b7e
Fast-forward
 saum.txt | 4 ++++
 1 file changed, 4 insertions(+)
 create mode 100644 saum.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ ls
Task-1  abc.txt  index.html  pie.c  readMe.md  saaa.txt  sam.txt  saum.txt  snake.py  yaaa.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git checkout context
error: pathspec 'context' did not match any file(s) known to git

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git Che
```



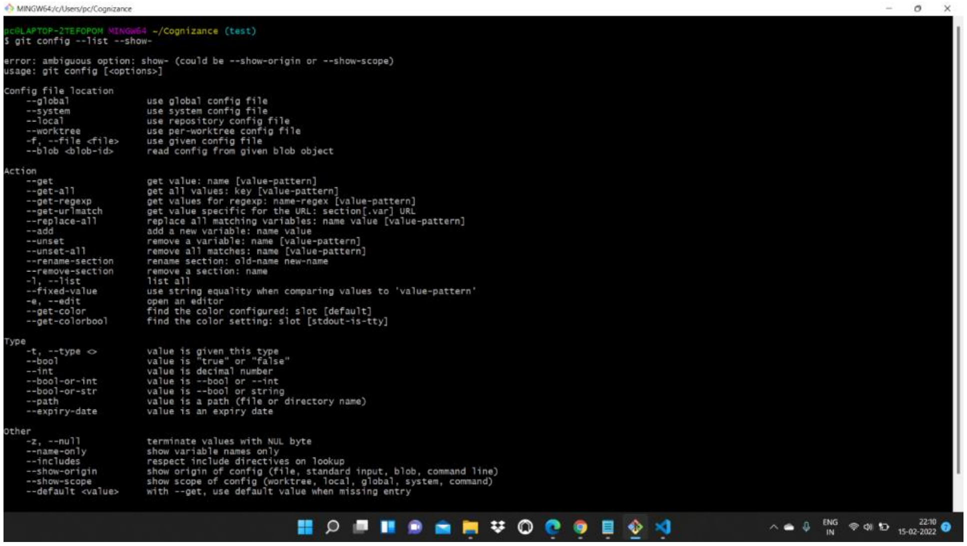
```
pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ ls
Task-1  abc.txt  index.html  pie.c  readMe.md  saaa.txt  sam.txt  snake.py  yaaa.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 677 bytes | 2.00 KiB/s, done.
From github.com:SaumyaGaur0705/Cognizance
   cf0c72a..a246b7e  master     -> origin/master
Updating cf0c72a..a246b7e
Fast-forward
 saum.txt | 4 ++++
 1 file changed, 4 insertions(+)
 create mode 100644 saum.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ ls
Task-1  abc.txt  index.html  pie.c  readMe.md  saaa.txt  sam.txt  saum.txt  snake.py  yaaa.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git checkout context
error: pathspec 'context' did not match any file(s) known to git

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git Che
```

Task –3

The screenshot of the git bash using

git config --list --show-

command in your computer.



```
pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ git config --list --show-

error: ambiguous option: show- (could be --show-origin or --show-scope)
usage: git config [<options>]

Config file location
    --global              use global config file
    --system              use system config file
    --local               use repository config file
    --worktree            use per-worktree config file
    -f, --file <file>     use given config file
    --blob <blob-id>      read config from given blob object

Action
    --get                 get value: name [value-pattern]
    --get-all             get all values: key [value-pattern]
    --get-regexp          get values for regexp: name-regex [value-pattern]
    --get-urlmatch        get value specific for the URL: section[.var] URL
    --replace-all         replace all matching variables: name value [value-pattern]
    --add                 add a new variable: name value
    --unset               remove a variable: name [value-pattern]
    --unset-all           remove all matches: name [value-pattern]
    --rename-section      rename section: old-name new-name
    --remove-section      remove a section: name
    -l, --list            list all
    --fixed-value         use string equality when comparing values to 'value-pattern'
    -e, --edit            open an editor
    --get-color           find the color configured: slot [default]
    --get-colorbool       find the color setting: slot [stdout-is-tty]

Type
    -t, --type <>         value is given this type
    --bool                value is "true" or "false"
    --int                 value is decimal number
    --bool-or-int         value is --bool or --int
    --bool-or-str         value is --bool or string
    --path                value is a path (file or directory name)
    --expiry-date         value is an expiry date

Other
    -z, --null            terminate values with NUL byte
    --name-only           show variable names only
    --includes            respect include directives on lookup
    --show-origin         show origin of config (file, standard input, blob, command line)
    --show-scope          show scope of config (worktree, local, global, system, command)
    --default <value>     with --get, use default value when missing entry
```

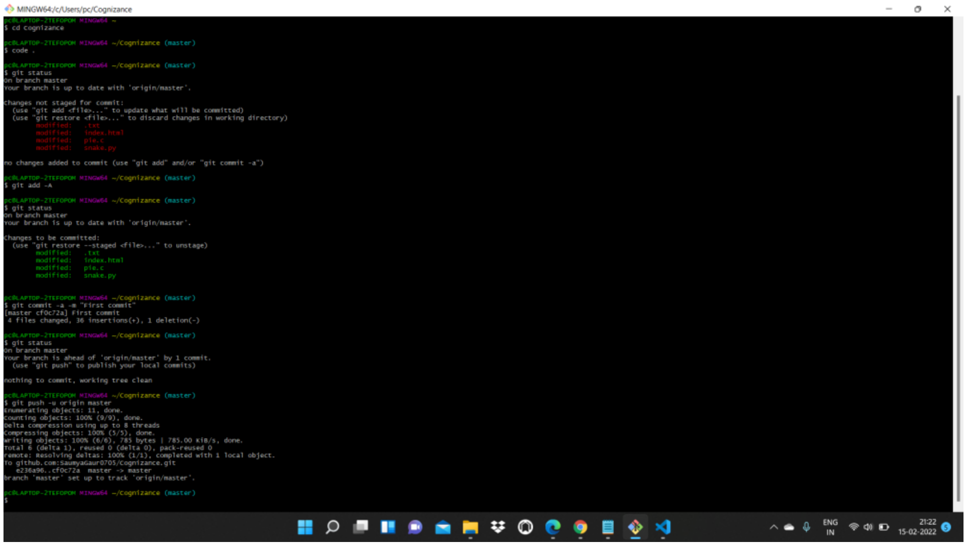
TASK -4

Here I have used add command, commit command and push command

Add command: to shift the file to be staged

Commit command: commit stage changes to local command

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



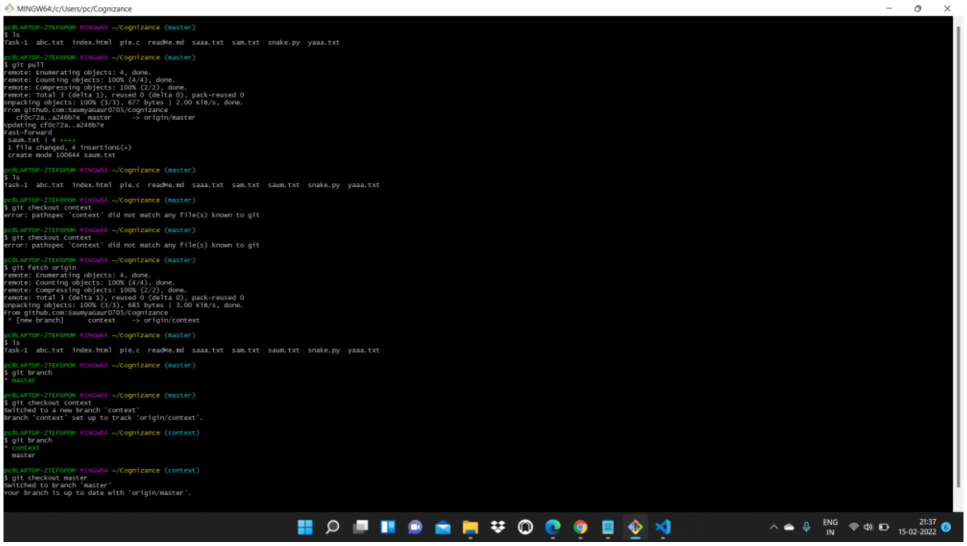
```
pc@LAPTOP-2TEFOPOM MINGW64 ~
$ cd cognizance

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ code .

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git status
On branch master
Your branch is up to date with 'origin/master'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   .txt
        modified:   index.html
        modified:   pie.c
        modified:   snake.py

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

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git add -A

pc@LAPTOP-2TEFOPOM 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:   .txt
        modified:   index.html
        modified:   pie.c
        modified:   snake.py


pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git commit -a -m "First commit"
[master cf0c72a] First commit
 4 files changed, 36 insertions(+), 1 deletion(-)

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git push -u origin master
Enumerating objects: 11, done.
Counting objects: 100% (9/9), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 785 bytes | 785.00 KiB/s, done.
Total 6 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To github.com:SaumyaGaur0705/Cognizance.git
   e236a96..cf0c72a  master -> master
branch 'master' set up to track 'origin/master'.

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$
```

Here I have used pull command and fetch 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.

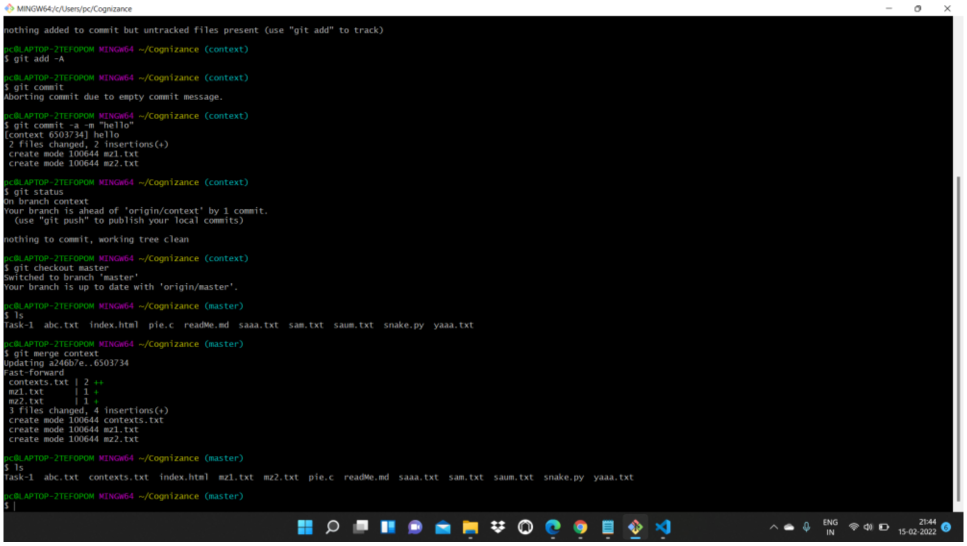
Checkout command: Replaces the current working files with files from a branch.



```
pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ ls
Task-1  abc.txt  index.html  pie.c  readMe.md  saaa.txt  sam.txt  snake.py  yaaa.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 677 bytes | 2.00 KiB/s, done.
From github.com:SaumyaGaur0705/Cognizance
   cf0c72a..a246b7e  master     -> origin/master
Updating cf0c72a..a246b7e
Fast-forward
 saum.txt | 4 ++++
 1 file changed, 4 insertions(+)
 create mode 100644 saum.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ ls
Task-1  abc.txt  index.html  pie.c  readMe.md  saaa.txt  sam.txt  saum.txt  snake.py  yaaa.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git checkout context
error: pathspec 'context' did not match any file(s) known to git

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git checkout Context
error: pathspec 'Context' did not match any file(s) known to git

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git fetch origin
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 685 bytes | 3.00 KiB/s, done.
From github.com:SaumyaGaur0705/Cognizance
 * [new branch]      context    -> origin/context

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ ls
Task-1  abc.txt  index.html  pie.c  readMe.md  saaa.txt  sam.txt  saum.txt  snake.py  yaaa.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git branch
* master

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git checkout context
Switched to a new branch 'context'
branch 'context' set up to track 'origin/context'.

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (context)
$ git branch
* context
  master

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (context)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.
```

Here I have used

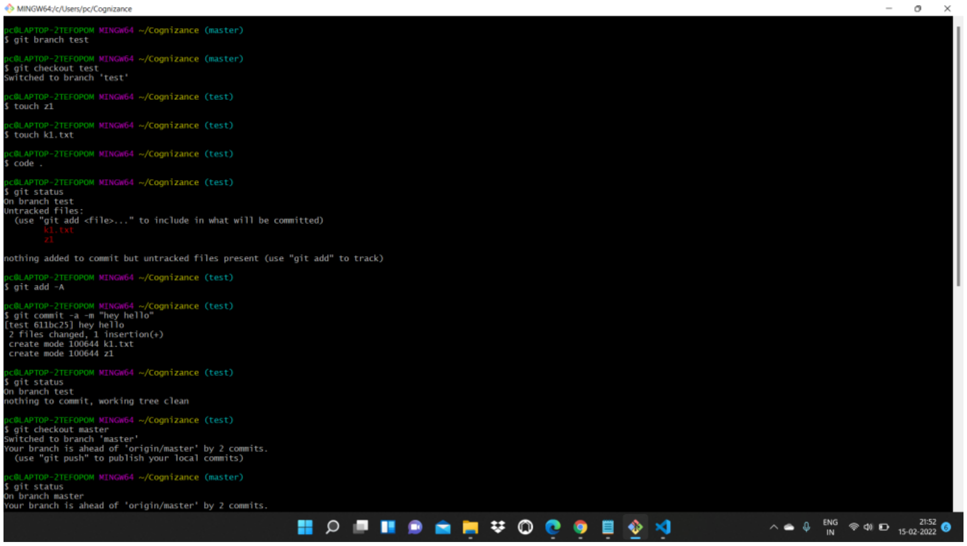
Merge command: Merges files from a given branch into the current branch.



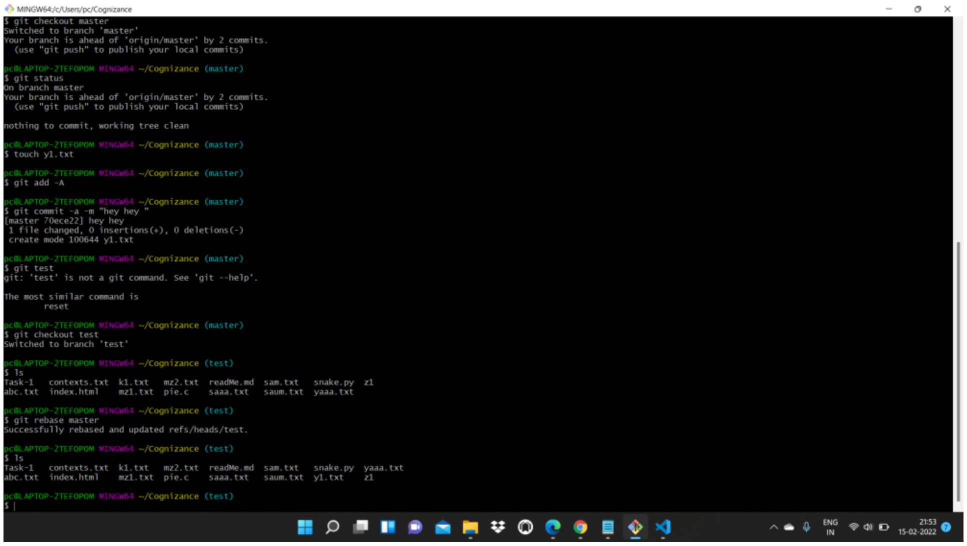
```
nothing added to commit but untracked files present (use "git add" to track)

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (context)
$ git add -A

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (context)
$ git commit
Aborting commit due to empty commit message.

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (context)
$ git commit -a -m "hello"
[context 6503734] hello
 2 files changed, 2 insertions(+)
 create mode 100644 mz1.txt
 create mode 100644 mz2.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (context)
$ git status
On branch context
Your branch is ahead of 'origin/context' by 1 commit.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (context)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ ls
Task-1  abc.txt  index.html  pie.c  readMe.md  saaa.txt  sam.txt  saum.txt  snake.py  yaaa.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git merge context
Updating a246b7e..6503734
Fast-forward
 contexts.txt | 2 ++
 mz1.txt      | 1 +
 mz2.txt      | 1 +
 3 files changed, 4 insertions(+)
 create mode 100644 contexts.txt
 create mode 100644 mz1.txt
 create mode 100644 mz2.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ ls
Task-1  abc.txt  contexts.txt  index.html  mz1.txt  mz2.txt  pie.c  readMe.md  saaa.txt  sam.txt  saum.txt  snake.py  yaaa.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ |
```

Here I used

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



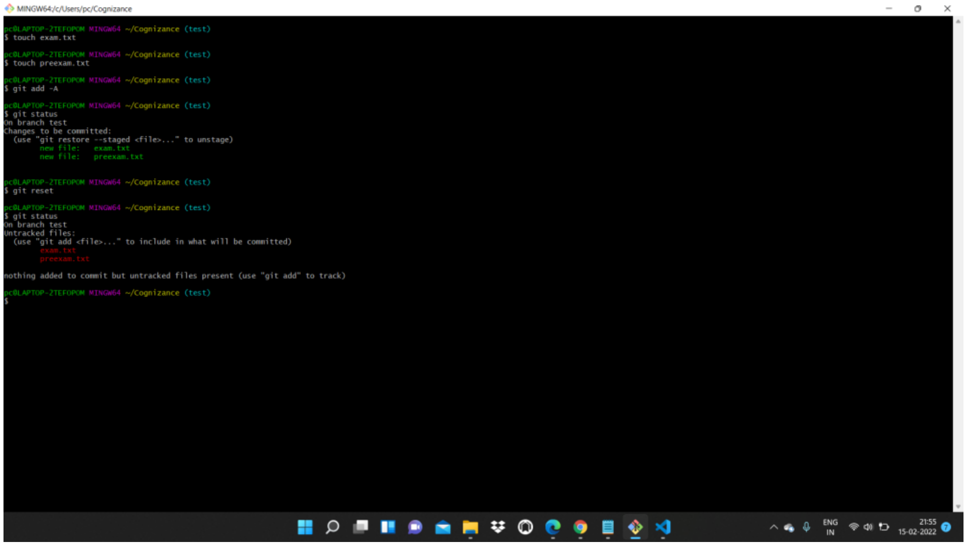
```
pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git branch test

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git checkout test
Switched to branch 'test'

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ touch z1

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ touch k1.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ code .

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ git status
On branch test
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        k1.txt
        z1

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

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ git add -A

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ git commit -a -m "hey hello"
[test 611bc25] hey hello
 2 files changed, 1 insertion(+)
 create mode 100644 k1.txt
 create mode 100644 z1

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ git status
On branch test
nothing to commit, working tree clean

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 2 commits.
  (use "git push" to publish your local commits)

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 2 commits.
```



```
$ git checkout master
Switched to branch 'master'
Your branch is ahead of 'origin/master' by 2 commits.
  (use "git push" to publish your local commits)

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git status
On branch master
Your branch is ahead of 'origin/master' by 2 commits.
  (use "git push" to publish your local commits)

nothing to commit, working tree clean

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ touch y1.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git add -A

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git commit -a -m "hey hey "
[master 70ece22] hey hey
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 y1.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git test
git: 'test' is not a git command. See 'git --help'.

The most similar command is
        reset

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (master)
$ git checkout test
Switched to branch 'test'

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ ls
Task-1   contexts.txt  k1.txt   mz2.txt  readMe.md  sam.txt   snake.py  z1
abc.txt  index.html    mz1.txt  pie.c    saaa.txt   saum.txt  yaaa.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ git rebase master
Successfully rebased and updated refs/heads/test.

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ ls
Task-1   contexts.txt  k1.txt   mz2.txt  readMe.md  sam.txt   snake.py  yaaa.txt
abc.txt  index.html    mz1.txt  pie.c    saaa.txt   saum.txt  y1.txt    z1

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ |
```

Here I used

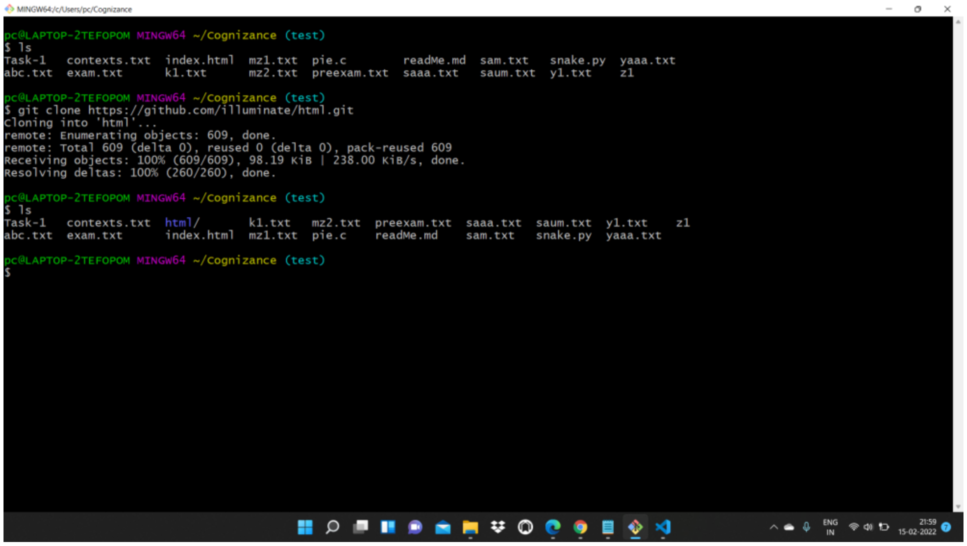
Reset command- Makes the current branch point to some specific revision or branch



```
pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ touch exam.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ touch preexam.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ git add -A

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ git status
On branch test
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
        new file:   exam.txt
        new file:   preexam.txt


pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ git reset

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ git status
On branch test
Untracked files:
  (use "git add <file>..." to include in what will be committed)
        exam.txt
        preexam.txt

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

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$
```

Here I have used

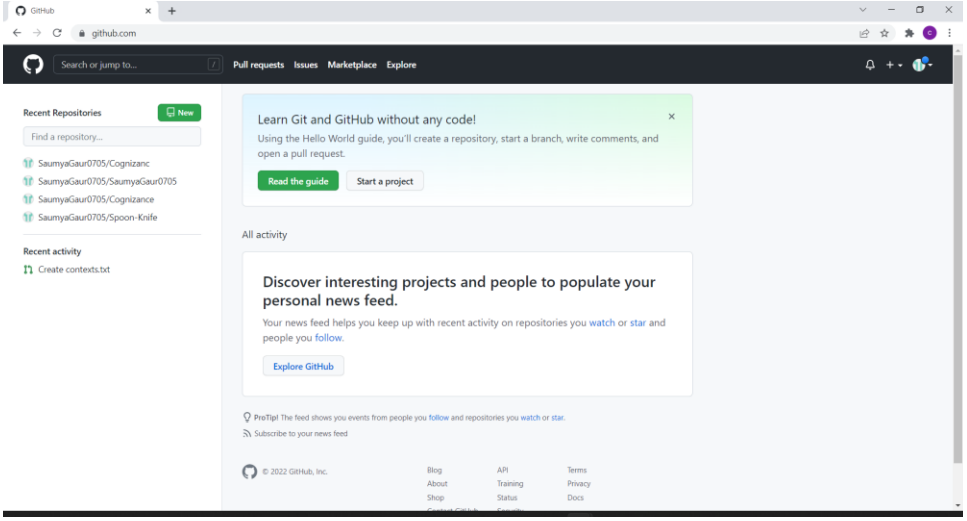
Clone command: Clone an existing repository into a new directory.



```
pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ ls
Task-1   contexts.txt  index.html  mz1.txt  pie.c        readMe.md  sam.txt   snake.py  yaaa.txt
abc.txt  exam.txt      k1.txt      mz2.txt  preexam.txt  saaa.txt   saum.txt  y1.txt    z1

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ git clone https://github.com/illuminate/html.git
Cloning into 'html'...
remote: Enumerating objects: 609, done.
remote: Total 609 (delta 0), reused 0 (delta 0), pack-reused 609
Receiving objects: 100% (609/609), 98.19 KiB | 238.00 KiB/s, done.
Resolving deltas: 100% (260/260), done.

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$ ls
Task-1   contexts.txt  html/       k1.txt   mz2.txt  preexam.txt  saaa.txt  saum.txt  y1.txt    z1
abc.txt  exam.txt      index.html  mz1.txt  pie.c    readMe.md    sam.txt   snake.py  yaaa.txt

pc@LAPTOP-2TEFOPOM MINGW64 ~/Cognizance (test)
$
```

Here I used

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



SaumyaGaur0705/Cognizanc
SaumyaGaur0705/SaumyaGaur0705
SaumyaGaur0705/Cognizance
SaumyaGaur0705/Spoon-Knife

Recent activity

Create contexts.txt

Learn Git and GitHub without any code!

Using the Hello World guide, you'll create a repository, start a branch, write comments, and open a pull request.

All activity

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