

# Git Bash

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Task-1

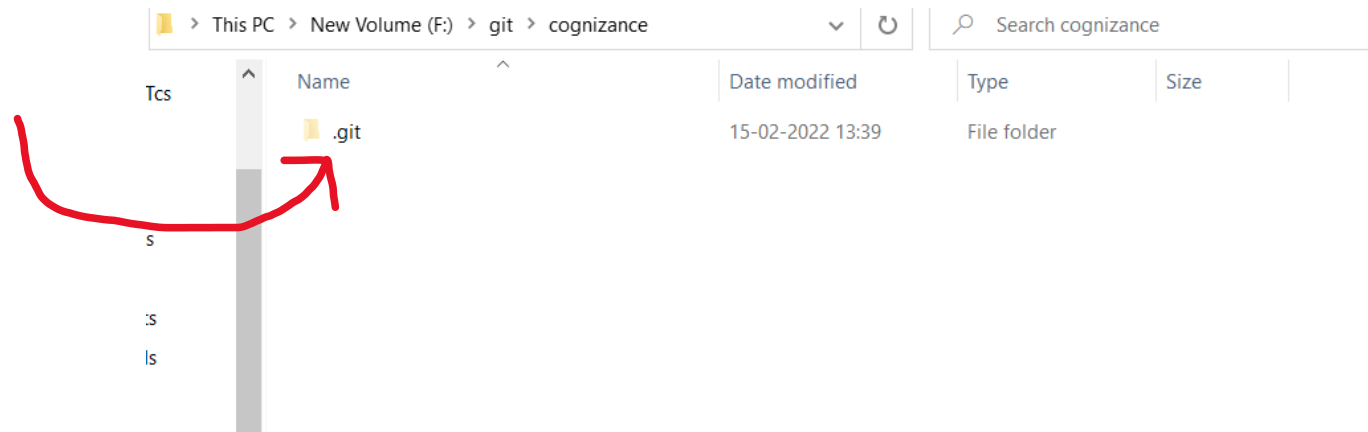
D Sai Sruthik Reddy

# GIT INIT

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We going to initiate the empty git repo

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance  
$ git init  
Initialized empty Git repository in F:/git/cognizance/.git/
```



# CREATING A FOLDER USING MKDIR AND ADDING README.TXT

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```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (master)  
$ mkdir Task-1
```

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (master)  
$ touch README.txt
```

# WORKING DIRECTORY TO THE STAGING AREA

---

- We will be using the command "git add ." Or "git add -A"

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (master)
$ git add .
```

- Now we check the status of file using "git status"

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (master)
$ git status
On branch master

No commits yet

Changes to be committed:
  (use "git rm --cached <file>..." to unstage)
    new file:   Task-1/README.txt
```

- Make sure that file is in **green**

# COMMIT THE FILES

---

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (master)
$ git commit -m "commit1"
[master (root-commit) e60d46b] commit1
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 Task-1/README.txt
```

Git commit -m "NAME"

**captures a snapshot of the project's currently staged changes**

**Make sure that you do this before pushing**

# SELECT THE LOCATION OF GIT REPO TO ADD FILES

---

- Q

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (master)
$ git remote add origin https://github.com/SruthikReddy003/Cognizance.git
```

- Now push the files into the git repo using "git push origin master"

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (master)
$ git push origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Writing objects: 100% (4/4), 267 bytes | 89.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/SruthikReddy003/Cognizance.git
 * [new branch]      master -> master
```

# CREATING A BRANCH AND PUSHING INTO THE REPO

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (master)
$ git checkout -b branch1
Switched to a new branch 'branch1'
```

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (branch1)
$ git branch
* branch1
  master
```

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (branch1)
$ touch branch1.txt
```

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (branch1)
$ git add .
```

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (branch1)
$ git commit -m "branch1.txt"
[branch1 536cc09] branch1.txt
1 file changed, 0 insertions(+), 0 deletions(-)
create mode 100644 branch1.txt
```

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (branch1)
$ git push origin branch1
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), 292 bytes | 292.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'branch1' on GitHub by visiting:
remote:   https://github.com/SruthikReddy003/Cognizance/pull/new/branch1
remote:
To https://github.com/SruthikReddy003/Cognizance.git
 * [new branch]      branch1 -> branch1
```

# MERGING BRANCH1 AND MASTER

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```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (branch1)
$ git checkout master
Switched to branch 'master'

TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (master)
$ git merge branch1
Updating e60d46b..536cc09
Fast-forward
 branch1.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 branch1.txt
```

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (master)
$ git push origin master
```



# CLONING

---

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (branch1)
$ git clone https://github.com/blackbird71SR/Hello-World
Cloning into 'Hello-World'...
remote: Enumerating objects: 711, done.
remote: Total 711 (delta 0), reused 0 (delta 0), pack-reused 711
Receiving objects: 100% (711/711), 191.78 KiB | 307.00 KiB/s, done.
Resolving deltas: 100% (358/358), done.

TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (branch1)
$ ls
hello-world/  Task-1/  branch1.txt
```

# FETCHING, PULLING, REBASE

---

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (branch1)
$ git fetch
remote: Enumerating objects: 1, done.
remote: Counting objects: 100% (1/1), done.
remote: Total 1 (delta 0), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (1/1), 623 bytes | 1024 bytes/s, done.
From https://github.com/SruthikReddy003/Cognizance
   e60d46b..74b4b87  master       -> origin/master
```

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (branch1)
$ git pull https://github.com/blackbird71SR/Hello-World
From https://github.com/blackbird71SR/Hello-World
 * branch                HEAD          -> FETCH_HEAD
fatal: refusing to merge unrelated histories
```

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (branch1)
$ git rebase branch1
Current branch branch1 is up to date.
```

# GIT CONFIG --LIST --SHOW-ORIGIN

---

```
TEJASH REDDY@Tejash2821229 MINGW64 /f/git/cognizance (master)
$ git config --list --show-origin
file:C:/Program Files/Git/etc/gitconfig diff.astextplain.textconv=astextplain
file:C:/Program Files/Git/etc/gitconfig filter.lfs.clean=git-lfs clean -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.smudge=git-lfs smudge -- %f
file:C:/Program Files/Git/etc/gitconfig filter.lfs.process=git-lfs filter-process
file:C:/Program Files/Git/etc/gitconfig filter.lfs.required=true
file:C:/Program Files/Git/etc/gitconfig http.sslbackend=openssl
file:C:/Program Files/Git/etc/gitconfig http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt
file:C:/Program Files/Git/etc/gitconfig core.autocrlf=true
file:C:/Program Files/Git/etc/gitconfig core.fscache=true
file:C:/Program Files/Git/etc/gitconfig core.symlinks=false
file:C:/Program Files/Git/etc/gitconfig pull.rebase=false
file:C:/Program Files/Git/etc/gitconfig credential.helper=manager-core
file:C:/Program Files/Git/etc/gitconfig credential.https://dev.azure.com.usehttpath=true
file:C:/Program Files/Git/etc/gitconfig init.defaultbranch=master
file:C:/Users/TEJASH REDDY/.gitconfig user.name=SruthikReddy
file:C:/Users/TEJASH REDDY/.gitconfig user.email=ch.en.u4aie21142@ch.students.amrita.edu
file:.git/config core.repositoryformatversion=0
file:.git/config core.filemode=false
file:.git/config core.bare=false
file:.git/config core.logallrefupdates=true
file:.git/config core.symlinks=false
file:.git/config core.ignorecase=true
file:.git/config remote.origin.url=https://github.com/SruthikReddy003/Cognizance.git
file:.git/config remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
```