



# Cognizance

TASK - 1

Aditya Bansal | CSE | 10 June

## Git Commands

- Git config --list --show-list

```
aditya@aditya-Aspire-A715-41G:~$ git config --list --show-origin
file:/home/aditya/.gitconfig user.name=Aditya
file:/home/aditya/.gitconfig user.email=bansaladitya150@gmail.com
file:/home/aditya/.gitconfig core.autocrlf=input
```

- Git init

```
aditya@aditya-Aspire-A715-41G:~/Cognizance$ echo "Cognizance2022" >> README.md
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git init
Initialized empty Git repository in /home/aditya/Cognizance/.git/
```

- Git add

```
aditya@aditya-Aspire-A715-41G:~/Cognizance$ cat Intro.txt
Hello, my name is Aditya Bansal and I'm from Lucknow and I've also done my 12th from Lucknow.
My Hobbies are gaming, coding, anime, manga. I have done certifications in android app development
java, HTML, etc.
aditya@aditya-Aspire-A715-41G:~/Cognizance$ cat program.py
for i in range(0,5):
    print("Hello, Cognizance")
aditya@aditya-Aspire-A715-41G:~/Cognizance$ python3 program.py
Hello, Cognizance
Hello, Cognizance
Hello, Cognizance
Hello, Cognizance
Hello, Cognizance
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git add README.md Intro.txt program.py
```

- Git branch

```
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git branch -M main
```

- Git commit

```
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git commit -m "First Commit"
[master (root-commit) d4062a9] First Commit
 3 files changed, 5 insertions(+)
 create mode 100644 Intro.txt
 create mode 100644 README.md
 create mode 100644 program.py
```

- Git remote

```
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git remote add origin https://github.com/Cody-dev-debug/Cognizance.git
```

- Git push

```
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git push -u origin main
Username for 'https://github.com': Cody-dev-debug
Password for 'https://Cody-dev-debug@github.com':
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (5/5), 519 bytes | 519.00 KiB/s, done.
Total 5 (delta 0), reused 0 (delta 0)
To https://github.com/Cody-dev-debug/Cognizance.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
```

- Git checkout

```
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git checkout
Your branch is up to date with 'origin/main'.
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git checkout -b master
Switched to a new branch 'master'

aditya@aditya-Aspire-A715-41G:~/Cognizance$ git push origin master
Username for 'https://github.com': Cody-dev-debug
Password for 'https://Cody-dev-debug@github.com':
Total 0 (delta 0), reused 0 (delta 0)
remote:
remote: Create a pull request for 'master' on GitHub by visiting:
remote:      https://github.com/Cody-dev-debug/Cognizance/pull/new/master
remote:
To https://github.com/Cody-dev-debug/Cognizance.git
 * [new branch]      master -> master
```

- Git merge

```
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git add .
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   program2.py

aditya@aditya-Aspire-A715-41G:~/Cognizance$ git commit -m "Branch commit"
[master f895996] Branch commit
 1 file changed, 3 insertions(+)
 create mode 100644 program2.py
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git push origin master
Username for 'https://github.com': Cody-dev-debug
Password for 'https://Cody-dev-debug@github.com':
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 331 bytes | 331.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Cody-dev-debug/Cognizance.git
   d4062a9..f895996  master -> master
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git merge master
Updating d4062a9..f895996
Fast-forward
 program2.py | 3 +++
 1 file changed, 3 insertions(+)
 create mode 100644 program2.py
```

- Git clone

```
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git clone https://github.com/Cody-dev-debug/Find-My-Flight.git
Cloning into 'Find-My-Flight'...
remote: Enumerating objects: 686, done.
remote: Counting objects: 100% (34/34), done.
remote: Compressing objects: 100% (20/20), done.
remote: Total 686 (delta 14), reused 14 (delta 14), pack-reused 652
Receiving objects: 100% (686/686), 2.93 MiB | 496.00 KiB/s, done.
Resolving deltas: 100% (210/210), done.
aditya@aditya-Aspire-A715-41G:~/Cognizance$ ls
add.java  Find-My-Flight  Intro.txt  program2.py  program3.py  program.py  README.md
```

- Git fetch

```
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git fetch origin
remote: Enumerating objects: 24, done.
remote: Counting objects: 100% (24/24), done.
remote: Compressing objects: 100% (21/21), done.
remote: Total 23 (delta 9), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (23/23), 700.79 KiB | 416.00 KiB/s, done.
From https://github.com/Cody-dev-debug/Cognizance
   e394e7d..75536d3  main      -> origin/main
```

- Git reset

```
commit 37b52e38028a225acc92e003bcd3dd6600d165 (HEAD -> main)
Author: Aditya <bansaladitya150@gmail.com>
Date: Fri Jun 10 18:20:09 2022 +0530

    Fourth commit

commit c1a383420b9278970460081700fe5c955321841d
Author: Aditya <bansaladitya150@gmail.com>
Date: Fri Jun 10 18:19:25 2022 +0530

    Third commit

commit 7bd777a72cb13ffaa154cac3749432383ff980ce
Author: Aditya <bansaladitya150@gmail.com>
Date: Fri Jun 10 18:17:24 2022 +0530

    Second commit

commit f8959969540280a00d6b1800b360b4339b8e8ef1 (origin/master, origin/main, master)
Author: Aditya <bansaladitya150@gmail.com>
Date: Fri Jun 10 17:47:38 2022 +0530

    Branch commit

commit d4062a9a62e1736d8070d2a67590a2f461f1fd25
Author: Aditya <bansaladitya150@gmail.com>
Date: Fri Jun 10 17:02:29 2022 +0530

    First Commit

aditya@aditya-Aspire-A715-41G:~/Cognizance$ git reset --soft 7bd777a72cb13ffaa154cac3749432383ff980ce
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git log
commit 7bd777a72cb13ffaa154cac3749432383ff980ce (HEAD -> main)
Author: Aditya <bansaladitya150@gmail.com>
Date: Fri Jun 10 18:17:24 2022 +0530

    Second commit

commit f8959969540280a00d6b1800b360b4339b8e8ef1 (origin/master, origin/main, master)
Author: Aditya <bansaladitya150@gmail.com>
Date: Fri Jun 10 17:47:38 2022 +0530

    Branch commit

commit d4062a9a62e1736d8070d2a67590a2f461f1fd25
Author: Aditya <bansaladitya150@gmail.com>
Date: Fri Jun 10 17:02:29 2022 +0530

    First Commit
```

- Git pull

```
aditya@aditya-Aspire-A715-41G:~/Cognizance$ git pull
remote: Enumerating objects: 4, done.
remote: Counting objects: 100% (4/4), done.
remote: Compressing objects: 100% (3/3), done.
remote: Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
Unpacking objects: 100% (3/3), 764 bytes | 764.00 KiB/s, done.
From https://github.com/Cody-dev-debug/Cognizance
   7bd777a..e394e7d  main       -> origin/main
Updating 7bd777a..e394e7d
Fast-forward
 add.java | 11 ++++++++
 1 file changed, 11 insertions(+)
 create mode 100644 add.java
aditya@aditya-Aspire-A715-41G:~/Cognizance$ java add.java
Sum = 12
```

- Git rebase

```
aditya@aditya-Aspire-A715-41G:~/Cognizance/Task-1$ git push origin x
Username for 'https://github.com': Cody-dev-debug
Password for 'https://Cody-dev-debug@github.com':
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (4/4), done.
Writing objects: 100% (4/4), 486 bytes | 486.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Cody-dev-debug/Cognizance.git
    011918a..71d4aa0  x -> x
aditya@aditya-Aspire-A715-41G:~/Cognizance/Task-1$ git log
commit 71d4aa0a30b1cc7fcdelede7399b943d2ab1a333 (HEAD -> x, origin/x)
Author: Aditya <bansaladitya150@gmail.com>
Date: Sat Jun 11 04:29:00 2022 +0530

    Branch commit 2

commit 011918a452093734e448a39c3c0931a1ae084e18

aditya@aditya-Aspire-A715-41G:~/Cognizance/Task-1$ git checkout main
Switched to branch 'main'
Your branch is up to date with 'origin/main'.
aditya@aditya-Aspire-A715-41G:~/Cognizance/Task-1$ git rebase x
First, rewinding head to replay your work on top of it...
Fast-forwarded main to x.
aditya@aditya-Aspire-A715-41G:~/Cognizance/Task-1$ git log
commit 71d4aa0a30b1cc7fcdelede7399b943d2ab1a333 (HEAD -> main, origin/x, x)
Author: Aditya <bansaladitya150@gmail.com>
Date: Sat Jun 11 04:29:00 2022 +0530

    Branch commit 2

commit 011918a452093734e448a39c3c0931a1ae084e18
Author: Aditya <bansaladitya150@gmail.com>
Date: Sat Jun 11 04:23:06 2022 +0530

    Branch commit 1

commit 75536d3013f79f030ed13f0cbc4edc2e882ca6ec (origin/main)
Author: Aditya <75236365+Cody-dev-debug@users.noreply.github.com>
Date: Fri Jun 10 19:49:34 2022 +0530

    Add files via upload

commit 8738c088f83701264d1b8c8815c10818e590ff2b
Author: Aditya <75236365+Cody-dev-debug@users.noreply.github.com>
Date: Fri Jun 10 19:47:43 2022 +0530

    Rename program3.py to Task-1/program3.py
```



- Git fork

