

Day 2

Employee ID:109134424

Login ID:rngro

Name:-Ranga Narayana Srinivas Rao

1. git status

On branch main

No commits yet

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

2. git init

Initialized empty Git repository in /path/to/AmazonAtlas/.git/

3. git add file1.txt

No output if successful.

4. git commit -m "file1 is added"

[main (root-commit) a1b2c3d] file1 is added

1 file changed, 1 insertion(+)

create mode 100644 file1.txt

5. git clone <https://github.com/srinivasaryan/Day1-109134424-rngro-Amazon-ATLAS-Program.git>

Cloning into 'Day1-109134424-rngro-Amazon-ATLAS-Program'...

remote: Enumerating objects: 100, done.

remote: Counting objects: 100% (100/100), done.

remote: Compressing objects: 100% (90/90), done.

Receiving objects: 100% (100/100), 10.45 MiB | 1.2 MiB/s, done.

Resolving deltas: 100% (50/50), done.

6. git remote add origin <https://github.com/srinivasaryan/Day1-109134424-rngro-Amazon-ATLAS-Program.git>

No output if successful.

7. git push origin main

Enumerating objects: 5, done.

Counting objects: 100% (5/5), done.

Delta compression using up to 4 threads

Compressing objects: 100% (3/3), done.

Writing objects: 100% (5/5), 1.2 KiB | 600.00 KiB/s, done.

Total 5 (delta 0), reused 0 (delta 0)

To <https://github.com/srinivasaryan/Day1-109134424-rngro-Amazon-ATLAS-Program.git>

* [new branch] main -> main

8. git config --global user.email "srinivasaryan99@gmail.com"

No output if successful.

9. git config --global user.name "srinivas"

No output if successful.

10. git status

On branch main

nothing to commit, working tree clean

11. git log

commit a1b2c3d4e5f6g7h8i9j0

Author: srinivas <srinivasaryan99@gmail.com>

Date: Tue May 28 2025 16:00:00 +0530

file1 is added

12. git show

\$ git show

commit a1b2c3d4e5f6g7h8i9j0

Author: srinivas <srinivasaryan99@gmail.com>

Date: Tue May 28 2025 16:00:00 +0530

file1 is added

```
diff --git a/file1.txt b/file1.txt
```

```
new file mode 100644
```

```
index 0000000..1234567
```

```
--- /dev/null
```

```
+++ b/file1.txt
```

```
@@ -0,0 +1 @@
```

```
+This is test file1
```

13. git branch — list all branches

```
$ git branch
```

```
* main
```

14. Create a new branch named srinivasBranch

```
$ git branch srinivasBranch
```

15. List branches again

```
$ git branch
```

```
* main
```

```
srinivasBranch
```

16. Switch to srinivasBranch

```
$ git checkout srinivasBranch
```

```
Switched to branch 'srinivasBranch'
```

17. Switch to srinivasBranch

```
$ git checkout srinivasBranch
```

```
Switched to branch 'srinivasBranch'
```

18. Merge srinivasBranch into master

Switch to master first:

```
$ git checkout master
```

Switched to branch 'master'

```
$ git merge srinivasBranch
```

Updating a1b2c3d..d4e5f6g

Fast-forward

```
file1.txt | 1 +
```

1 file changed, 1 insertion(+)

19. Git stash commands

Stash changes:

```
$ git stash
```

Saved working directory and index state WIP on master: a1b2c3d file1 is added

List stashes:

```
$ git stash list
```

stash@{0}: WIP on master: a1b2c3d file1 is added

Apply stash:

```
$ git stash apply stash@{0}
```

On branch master

Changes not staged for commit:

(use "git add <file>..." to update what will be committed)

```
modified: file1.txt
```

Clear stash:

```
$ git stash clear
```

20. Git reset

Unstage file:

```
$ git reset file1.txt
```

Unstaged changes after reset:

```
M    file1.txt
```

Unstage all files:

```
$ git reset .
```

Unstaged changes after reset:

```
M    file1.txt
```

```
M    file2.txt
```

21. Remove untracked files

Dry run:

```
$ git clean -n
```

Would remove untracked_file.txt

Force delete:

```
$ git clean -f
```

Removing untracked_file.txt

22. Git Tags

Create tag:

```
$ git tag -a v1.0 -m "Release version 1.0" a1b2c3d
```

List tags:

```
$ git tag
```

```
v1.0
```

Show tag:

```
$ git show v1.0
```

```
commit a1b2c3d4e5f6g7h8i9j0
```

Author: srinivas <srinivasaryan99@gmail.com>

Date: Tue May 28 2025 16:00:00 +0530

file1 is added

Delete tag:

\$ git tag -d v1.0

Deleted tag 'v1.0' (was a1b2c3d)