

# 13.11Apr.GitAdv(Ignore, Staging, Merge)

11 April 2023

11:31 AM

Git Advance:

1. Ignore
2. Staging(Area's)
3. Merge

Special File ( **.gitignore** )

- Store in Project
    - Source Code(\*.java, \*.py, etc)
  - Don't store:
    - Generated Output( .class )
    - Log files
    - Temporary files
    - Hidden Files
    - Personal Files
  - .gitignore inside file:
    - \*.txt = ignore all text file( extension .txt files)
    - temp/ = ignore complete temp folder/directory
  - It is case sensitive.
- .gitignore will consider
- Comment Line: # abc.java
  - File Name: name.ext

\$ git add .

Git Areas

1. Changes(Working Directory)
2. Staging Area
3. Local Repo. Area
4. Remote Repo. Area

\$ git add filename.ext

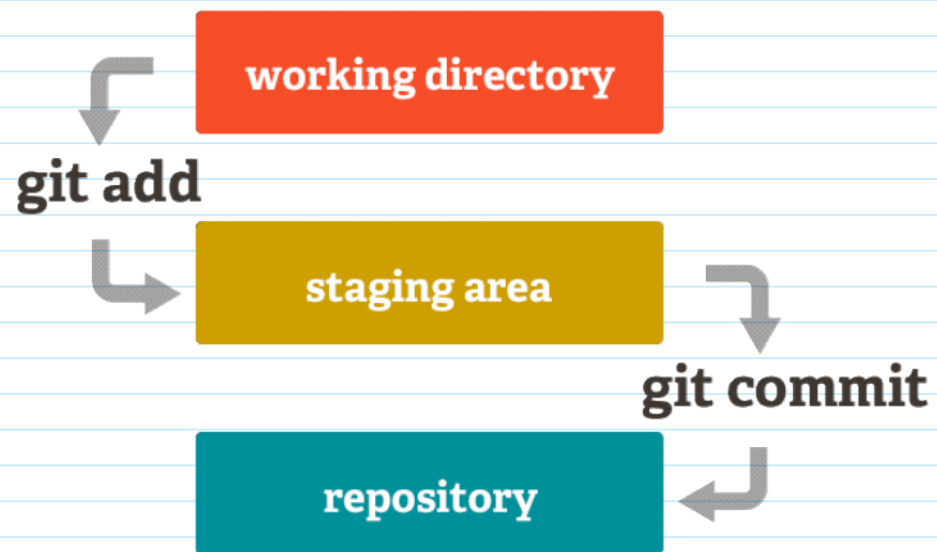
\$ git add .

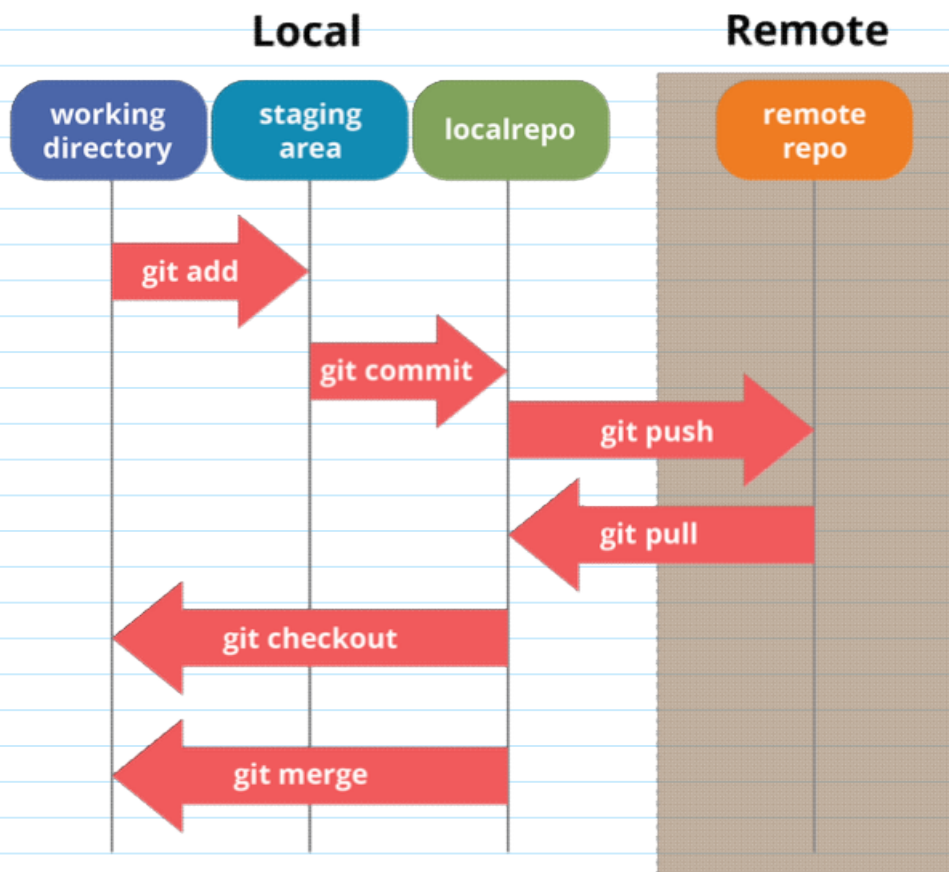
\$ \$ git add -A

Working Directory Area --> git **add** --> Staging Area

Staging Area --> git **commit** --> Local Repo.

Local Repo. --> git **push** --> Remote Repo.





```
for f in {1...10}
do
    COMMAND
done

for f in "file 1" "file 2"; do
    touch "$f".txt
done

$ touch file{0..99}.pdf

$ touch {"file1","file2"}.pdf
```

- 1) Install git on AWS Ubuntu(My Laptop)
- 2) Create an Empty Repo
- 3) IDE(VSCode/Eclipse)
- 4) .gitignore excludes files
  - a. \*.class
  - b. \*.settings
  - c. \*.projects
- 5) Source Code --> Staging Area
- 6) Staging Area --> Local Repo
- 7) Create Repo on Github
- 8) PUSH

#### **Merge No Conflict:**

1. Create a Demo.java --> Hello World
2. Create 2 Branches using **master** Branch:
  - a. F1
  - b. F2
3. Checkout F2 --> Create F2.txt & Push
4. Checkout F1 --> Create F1.txt & Push
5. Merge F1 and F2 into master branch
  - a. master\$ git merge F1
  - b. master\$ git merge F2
  - c. master\$ git push -u origin master

#### **Merge Conflict:**

1. Create a Demo.java --> Hello World
2. Create 2 Branches using **master** Branch:
  - a. F1
  - b. F2
3. Checkout F2 --> Demo.java(Perform some changes)
4. Checkout F1 --> Demo.java
5. Merge F1 and F2 into master branch

