**Ansible installation:**

$ sudo apt update

$ sudo apt install software-properties-common

$ sudo add-apt-repository --yes --update ppa:ansible/ansible

$ sudo apt install ansible

sudo apt-get install git //install

sudo apt-get remove --auto-remove git //uninstall

**//git push**

mkdir devops

Cd devops

Git init

git config --global user.email "you@example.com"

git config --global user.name "Your Name"

nano print.py , enter command , c+x , yes

Git add .

Git status

Git commit -m “message”

Git remote add origin “<https://github.com/abcd/devops_trial.git>”

Git push -u origin main/master

**// git\_pull**

mkdir devops

Cd devops

git init

Git remote add origin <link>

Git pull origin <branch>

**// Git\_config**

mkdir devops

Cd devops

Git init

Git config user.email “<email>”

Git config user.name “<name>”

Ls -al

Cd .git

Ls -al

Cat config

**// git log**

mkdir devops

Cd devops

Git init

git config --global user.email "you@example.com"

git config --global user.name "Your Name"

nano print.py , enter command , c+x , yes

Git add .

Git status

Git commit -m “message”

git log

**Installing docker**

Sudo apt-get install docker.io

**Docker Pull**

Sudo bash

Docker images

Docker pull ubuntu

Docker images

(optional)

Docker run -itd ubuntu

Docker ps

Docker exec -it <container-id> bash

**Docker Push**

Docker images

Docker run -itd ubuntu

Docker ps

Docker exec -it <container-id> bash

(inside ubuntu)

Echo abcd>newfile

Cat newfile

Exit

(outside)

Docker ps

Docker commit <conatiner-id> new

docker tag SOURCE\_IMAGE[:TAG] dockerusername/TARGET\_IMAGE[:TAG]

Docker tag new:latest <username>/dickshant:pussy

Docker login

Docker images

Docker push <username>/dickshant:pussy

**Deploy**

mkdir devops

cd devops

Nano app.py

Print(“Welcome Docker file”)

nano dockerfile (//Below 3 lines under dockerfile)

FROM python

COPY . /src

CMD ["python", "/src/app.py"]

sudo bash

docker build . -t python\_app

docker run python\_app