Sudo apt install docker.io

Sudo apt get update

Sudo systemctl enable docker

create two files 1) index.html 2) Dockerfile

FROM nginx

COPY index.html \usr\share\enginx\html\

FROM nginx

WORKDIR/user/share/nginx/html

COPY . .

EXPOSE 80

comand :- sudo Docker build -t (project\_name) .

output: image genrate

2) sudo Docker images

3) sudo Docker run -d -p 8080:80 (project\_name)

open Brower:- 0.0.0.0:8080 ----> disply index.html

sudo systemctl status Jenkins

NT: ngrok http 8080

login on a Github Con new window) = Open the repository that we want to build on a jenkins Copy the repo/project link from Code (http).

Jenkins

Click on new item Enter item name (eg.dem) select freestyle Project Click Ok from source code Management Select git= Paste the Git repo url (that copied from githu →From Branches to Build (write main instead of master) from Build Triggers select GitHub hook trigger for GITSem polling

Click Apply Save.