### Architecture

### Part-1

- · Installing docker
- Verifying docker installation
- Installing Docker Compose.
- downloading MongoDB image.
- Running mongo container
- · Installing NodeJs, Npm
- Installing VS-Code & Docker Plugin

### Part-2

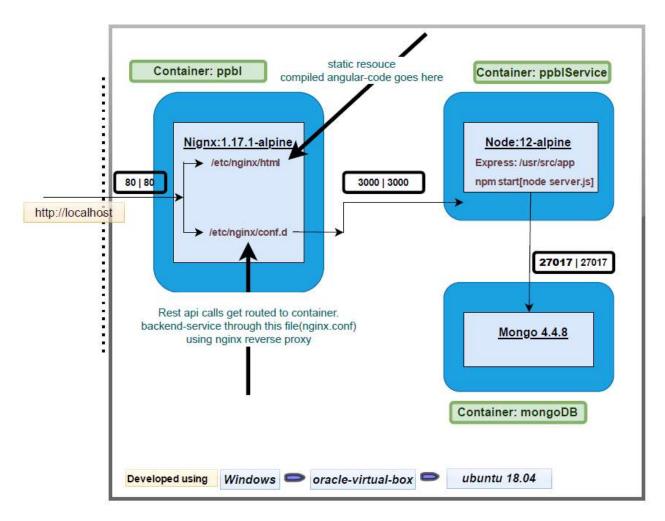
- · creating docker file for backend service(ppblService):
- · Building an image for backend-service ppblService.
- · Running the ppblService in docker container.
- · Testing the backend-service ppblService

### Part-3

- Building docker file for frontend app(ppbl)
- Building image frontend angular app (ppbl)
- · Creating DockerCompose file
- · final results

### Architecture:

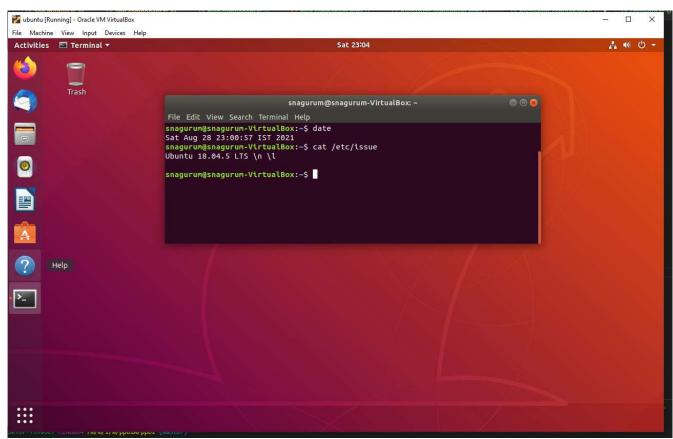
# MEAN - stack app (Personal Password Locker)



Note:

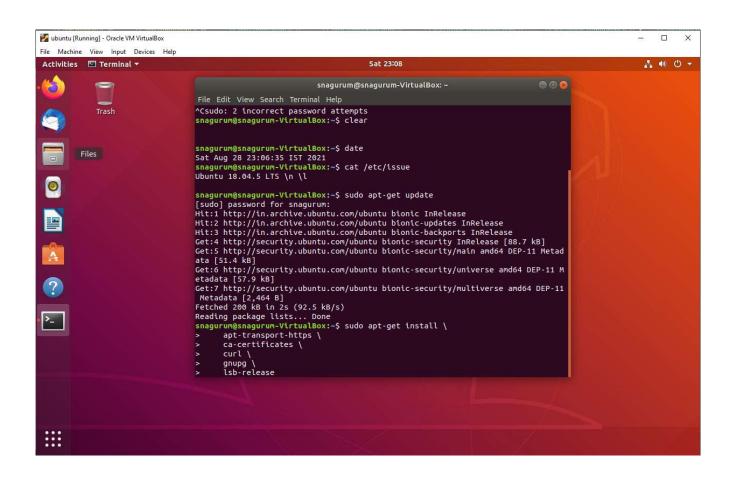
github link for source code:

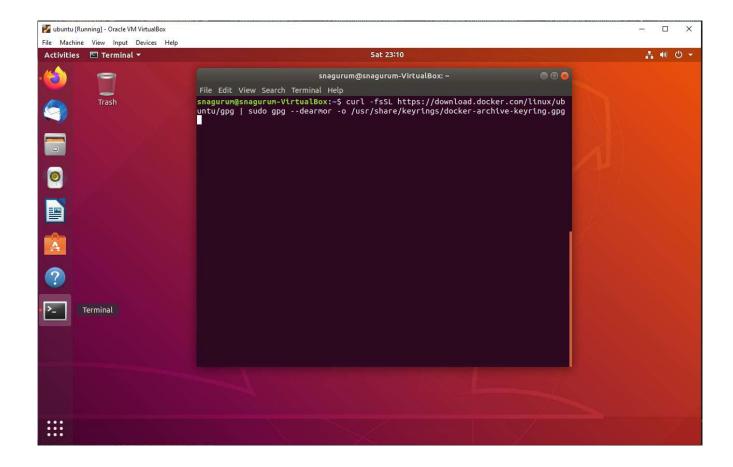
https://github.com/snagurum/pplW

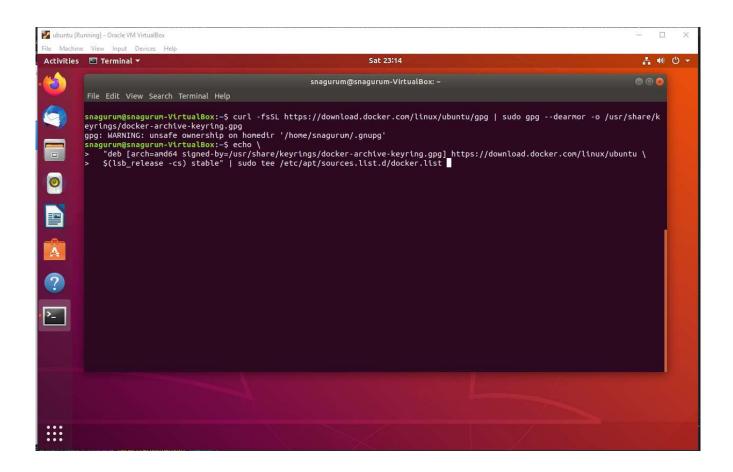


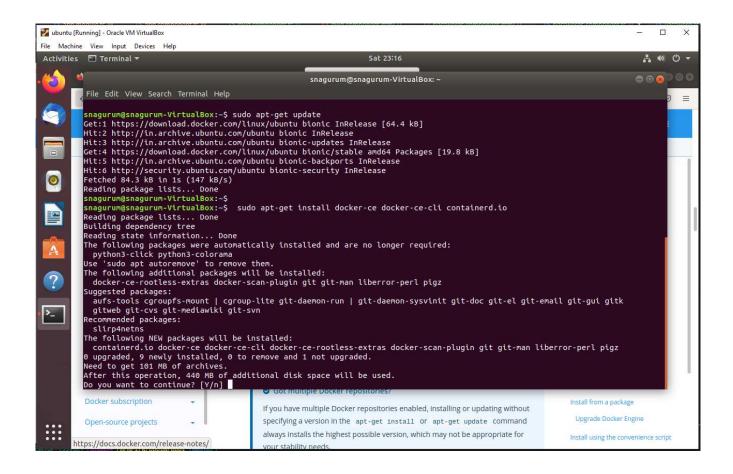
Part - 1

**Installing Docker** 

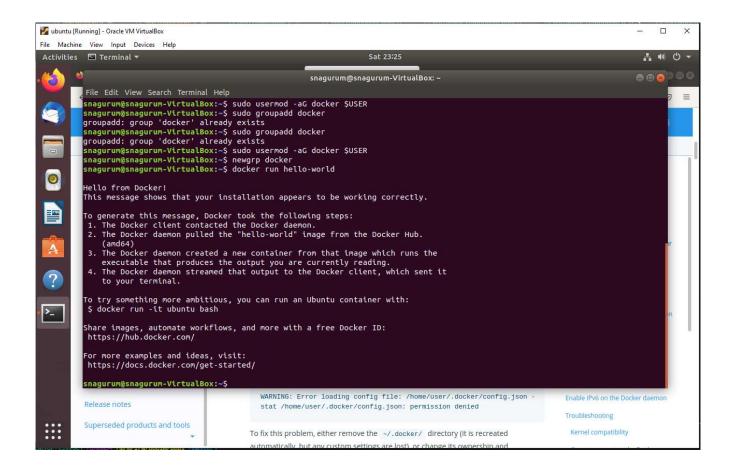




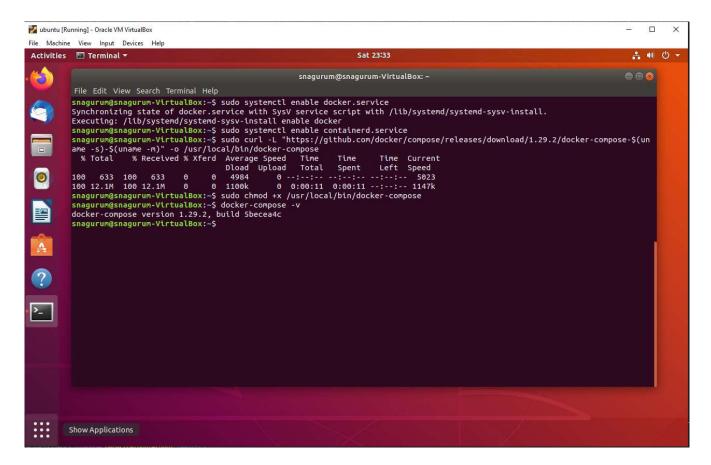




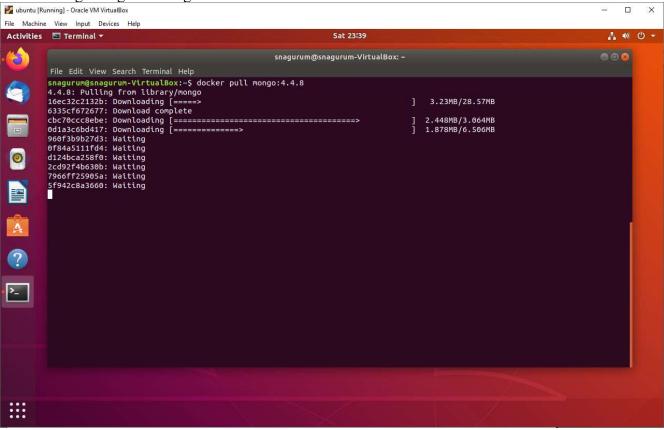
Verifying docker installation



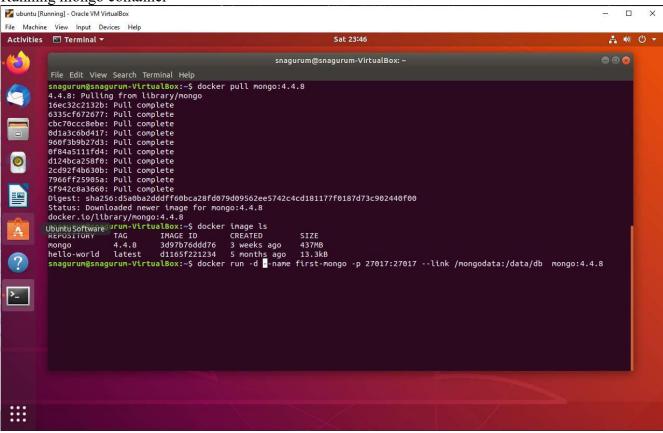
Installing Docker Compose.

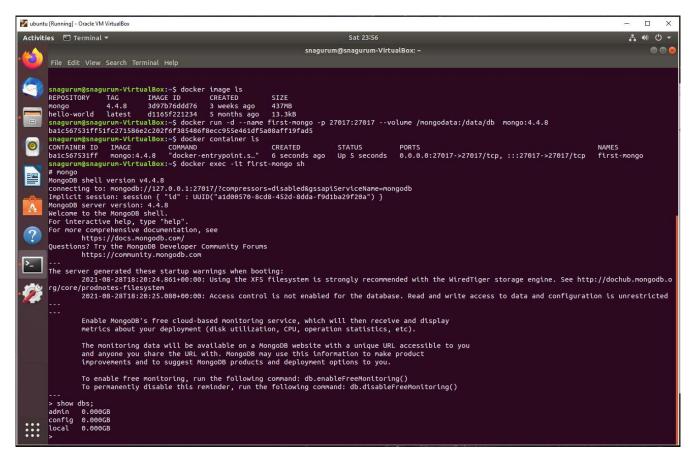


downloading MongoDB image.

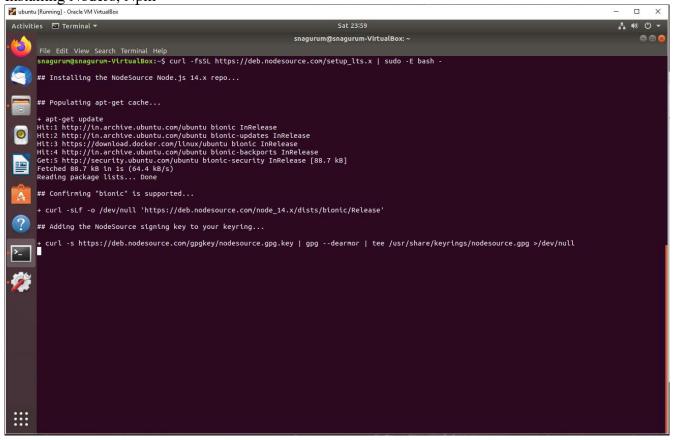


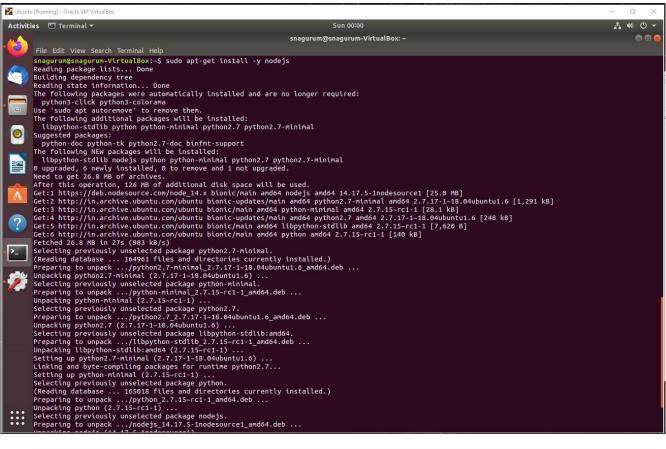
Running mongo container

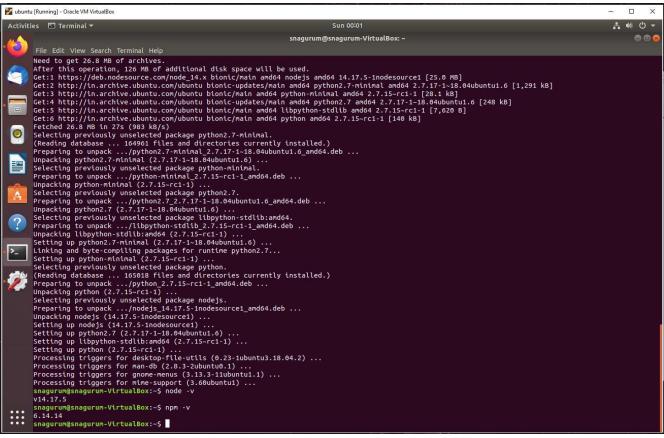




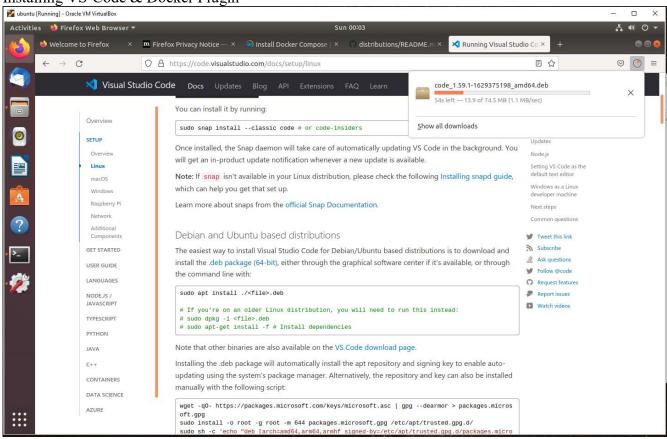
Installing NodeJs, Npm

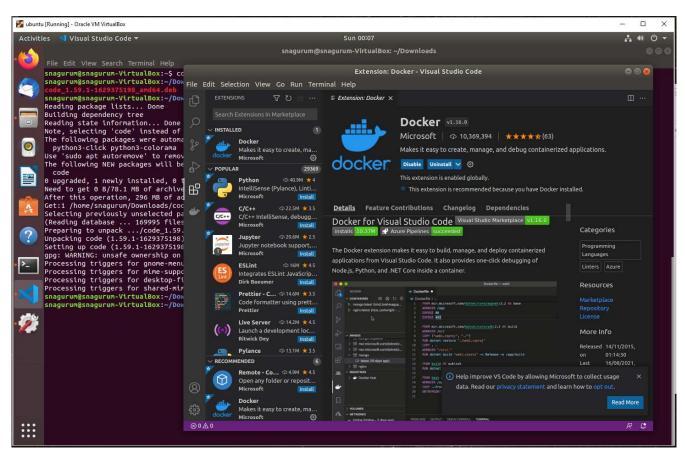






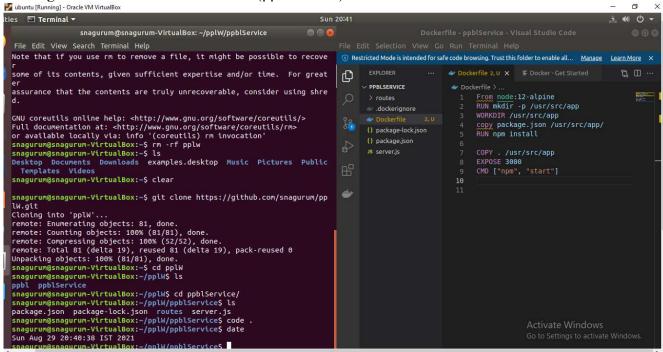
Installing VS-Code & Docker Plugin





#### Part - 2

## creating docker file for backend service(ppblService):

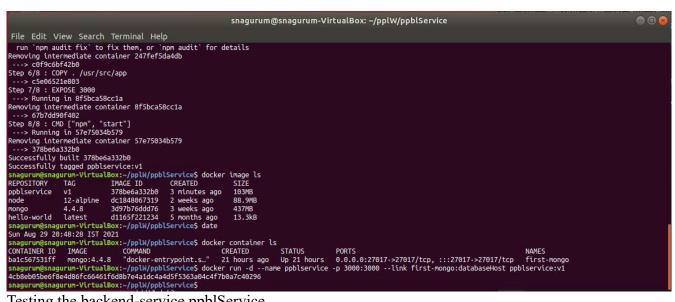


Building an image for backend-service ppblService.

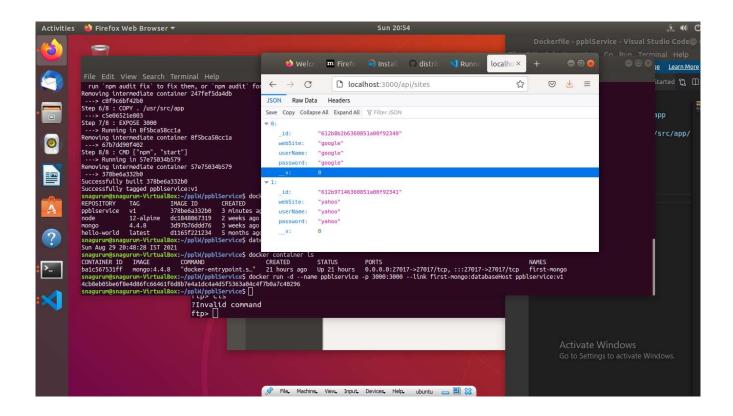
```
File Edit View Search Terminal Help
snagurum@snagurum-VirtualBox: -/pplW/ppblService
Sockerfile packape.3son packape.1son.2son routes
Sockerfile packape.3son packape.1son.2son routes
Snagurum@snagurum-VirtualBox:-/pplUppblService3 docker build -t ppblServiceiv1.
Invalid argument "ppblserviceiv1 for "-t.--tag" flag: turalid reference fornat: repository name must be lowercase
See docker build --help.
See docker build --
```

Running the ppblService in docker container.

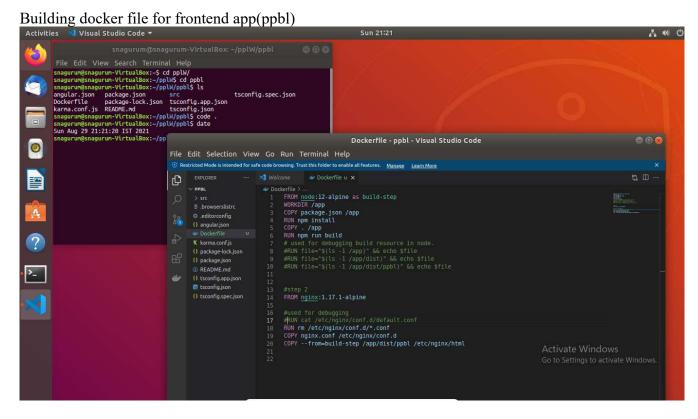
```
snagurum@snagurum-VirtualBox: ~/pplW/ppblService
File Edit View Search Terminal Help
 ---> c0f9c6bf42b0
Step 6/8 : COPY . /usr/src/app
 ---> c5e06521e803
Step 7/8 : EXPOSE 3000
 ---> Running in 8f5bca58cc1a
Removing intermediate container 8f5bca58cc1a
---> 67b7dd90f402
Step 8/8 : CMD ["npm", "start"]
---> Running in 57e75034b579
Removing intermediate container 57e75034b579
---> 378be6a332b0
Successfully built 378be6a332b0
Successfully tagged ppblservice:v1
snagurum@snagurum-VirtualBox:~/pplW/ppblService$ docker image ls
                            IMAGE ID
REPOSITORY TAG
                                             CREATED
                                                                SIZE
                                             3 minutes ago
ppblservice v1
                             378be6a332b0
                                                                103MB
               71 3/8be6a332b0 3 minutes ago
12-alpine dc1848067319 2 weeks ago
4.4.8 3d97b76ddd76 3 weeks ago
latest d1165f221234 5 months ago
                                                                88.9MB
node
mongo
                                                                437MB
hello-world latest
                                                                13.3kB
snagurum@snagurum-VirtualBox:~/pplW/ppblService$ date
Sun Aug 29 20:48:28 IST 2021
snagurum@snagurum-VirtualBox:~/pplW/ppblService$
```

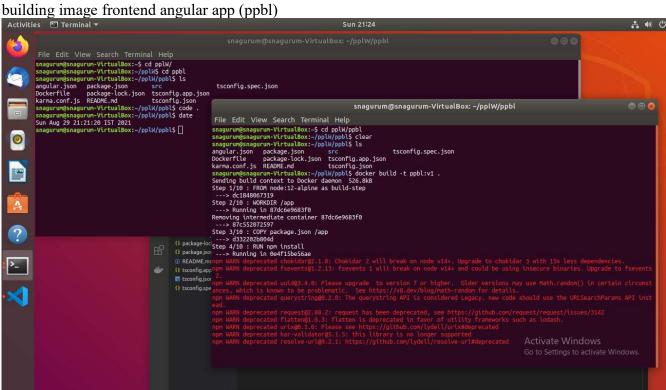


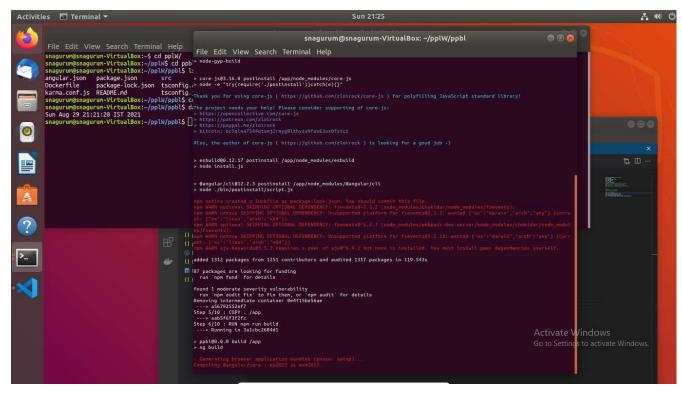
Testing the backend-service ppblService

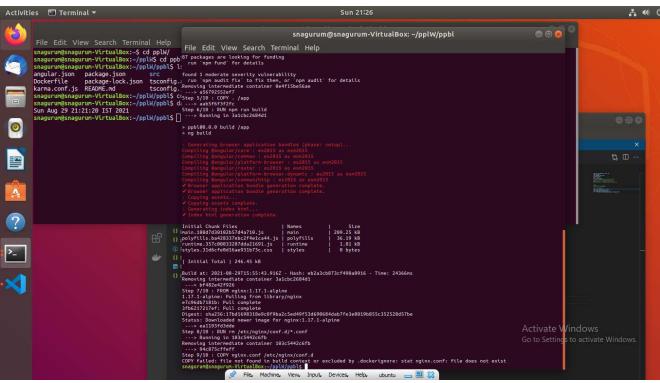


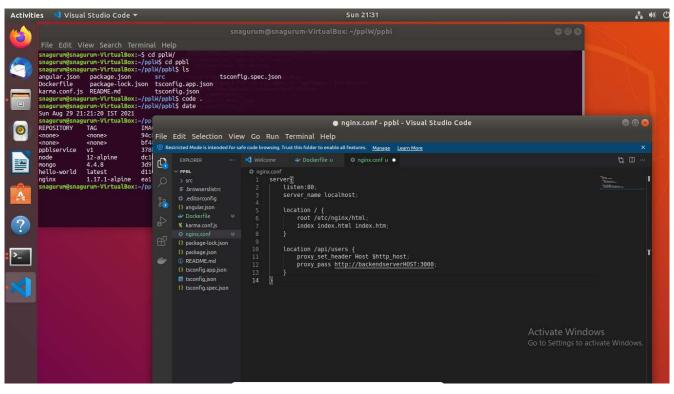
### Part - 3

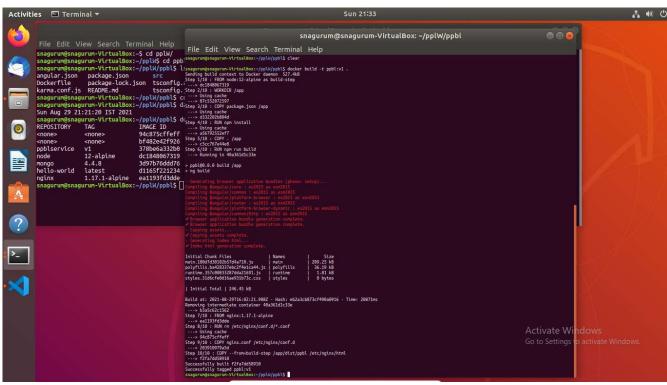


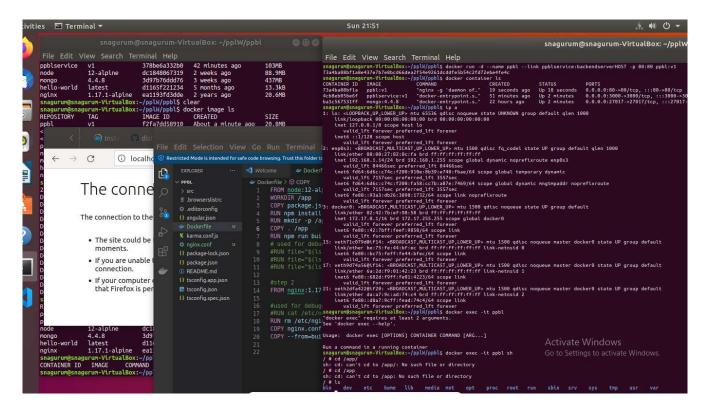










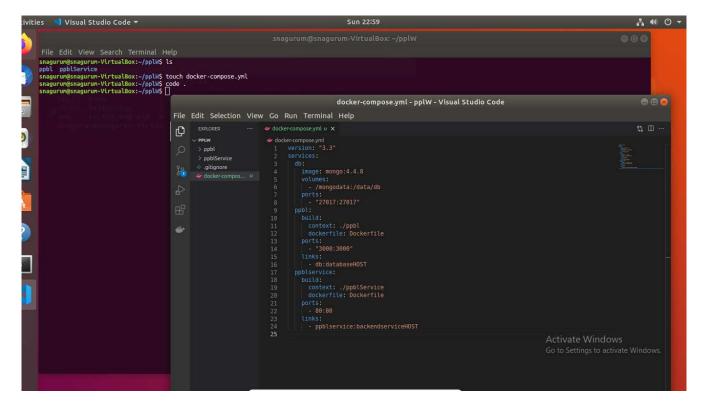


App did not launch. Nginx.conf did not get created and also had issues.





Creating DockerCompose file



### final results:

