

NAVYA NARAYAN PANICKER

WEEK 5 DAY 4: 25/10/25 [SATURDAY]

TASK : Final Testing + Logging + Retrospective

QUESTIONS/REFLECTIONS:

1. What commands do you use to clean Docker: stop, remove containers, remove images?

To clean the docker use:

```
# Stop all running containers  
docker stop $(docker ps -aq)
```

```
# Remove all containers  
docker rm $(docker ps -aq)
```

```
# Remove all images  
docker rmi $(docker images -q)
```

```
# Remove unused volumes  
docker volume prune -f
```

```
# Remove unused networks  
docker network prune -f
```

2. How do logs help you debug? What log files would you keep in a real production setup?

- Logs show u the errors that are present.

- **app.log** → Flask application logs
- **error.log** → errors and exceptions
- **access.log** → web server (e.g., Nginx) requests
- **database logs** → MySQL/Postgres errors or queries

3. What are the minimum files needed to deploy this app to a Linux server?

You typically need:

1. **app.py** – your Flask app
2. **requirements.txt** – dependencies
3. **Dockerfile** – to build the image
4. **docker-compose.yml** – to run Flask + DB easily
5. **.env** – environment variables (DB credentials, ports)