

NAVYA NARAYAN PANICKER

WEEK 5 DAY 3: 24/10/25 [FRIDAY]

TASK : Docker Compose, .env, Networking

QUESTIONS/REFLECTIONS:

1. How does Docker Compose manage service networks?
  - it creates a private network automatically for all the services in the docker-compose.yml file.
  - Each service gets a host name same as the service name(like flask etc.)
  - Instead of using IP they can use names to connect with each other.
2. What happens when a container crashes: how to check logs?
  - If a container crashes, follow these steps:
    - docker ps -a # to see all containers, even stopped ones
    - docker logs <container\_name> # to view its logs
    - docker start <container\_name> # to restart
    - docker logs -f <container\_name> # to monitor continuously
3. What environment variables are needed to connect Flask to DB?  
Ex:

```
DB_HOST=db
DB_USER=root
DB_PASSWORD=yourpassword
DB_NAME=librarydb
DB_PORT=3306
```

These are used in .env and docker-compose file