

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