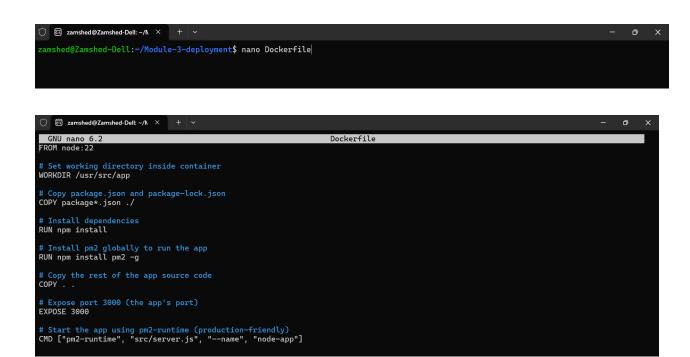
1.Cloning the express.js project repo

2.Creating & Editing Dockerfile



3. Logging in Dockerhub

```
USING WEB-BASED LOGIN

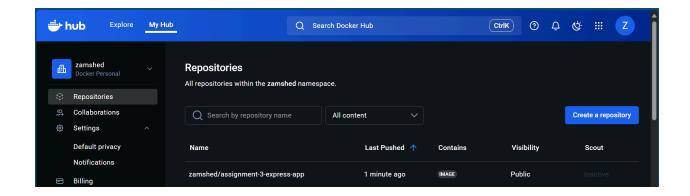
Info → To sign in with credentials on the command line, use 'docker login -u <username>'

Your one-time device confirmation code is: KSVB-ZXNP
Press ENTER to open your browser or submit your device code here: https://login.docker.com/activate

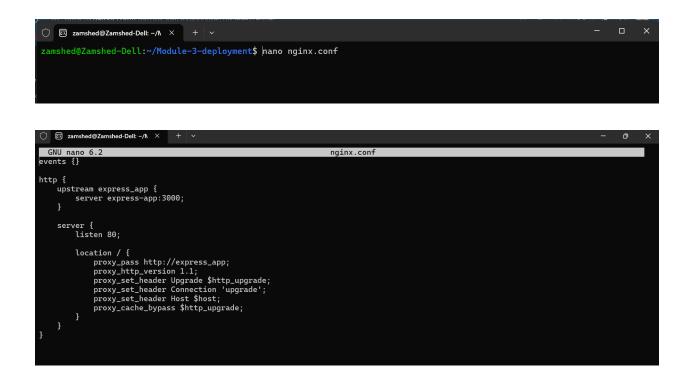
Waiting for authentication in the browser...

WARNING! Your credentials are stored unencrypted in '/home/zamshed/.docker/config.json'.
Configure a credential helper to remove this warning. See https://docs.docker.com/go/credential-store/
Login Succeeded
```

4.Building, then pushing image in Dockerhub



5. Editing & Creating nginx.conf file



6. Editing & Creating docker-compose.yaml file



```
GNU nano 6.2

version: "3.9"

services:
express-app:
inage: zamshed/assignment-3-express-app:latest
container_name: express-app
networks:
- app-network
ports:
- "3000:3000" # expose port 3000 for direct access (optional)

nginx:
inage: nginx:latest
container_name: nginx
depends_on:
- express-app
ports:
- "8000:800" # access nginx on localhost:8000
volumes:
- ./nginx.conf:/etc/nginx/nginx.conf:ro
networks:
- app-network
networks:
app-network:
driver: bridge
```

7. Crating container using the compose file

```
zamshed@Zamshed-Dell:-/Module-3-deployment$ docker compose up -d
WARN[0000] /home/zamshed/Module-3-deployment/docker-compose.yml: the attribute 'version' is obsolete, it will be ignored, please remo ve it to avoid potential confusion

[+] Running 8/8

*/nginx Pulled

*/Seg26678330b Pull complete

*/140da4f89dcb Pull complete

*/26447e70491e Pull complete

*/26447e70491e Pull complete

*/264491e Pull complete

*/2645194194 Pull complete

*/47.8s

*/4b1e45a9989f Pull complete

*/30ffbee4c54 Pull complete
```

8. Final Output

Dockerhub image link: <u>zamshed/assignment-3-express-app | Docker Hub</u>

https://hub.docker.com/repository/docker/zamshed/assignment-3-express-app/general

URL	What to expect
http://localhost:3000/	Hello World page directly from app
http://localhost:3000/api	JSON response from app
http://localhost:8080/	Same as above, via Nginx proxy
http://localhost:8080/api	Same as above, via Nginx proxy

