

Program2

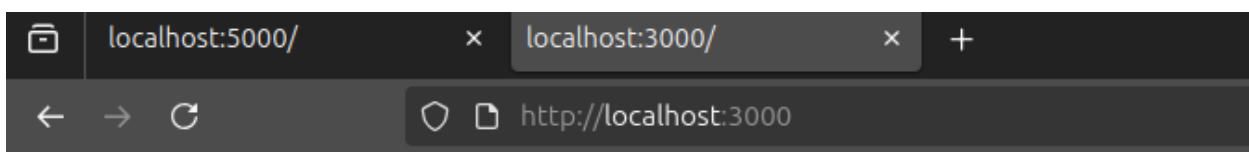
Develop a Multi Stage Dockerfile for container Orchestration

- Create a new directory called program 2and in that other source folder
 - Enter source folder and create [index.js](#) file and exit src folder
 - Now in program2 folder create package.json and Dockerfile files

```
Oct 31 10:49
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps/program2
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps$ mkdir program2
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps$ ls
program1 program2
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps$ cd program2
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps/program2$ ls
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps/program2$ mkdir src
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps/program2$ ls
src
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps/program2$ cd src
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps/program2/src$ nano index.js
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps/program2/src$ ls
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps/program2/src$ nano index.js
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps/program2/src$ ls
index.js
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps/program2/src$ cd
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~$ cd Devops
bash: cd: Devops: No such file or directory
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~$ ls
aws google-chrome-stable_current_amd64.deb secondfile
Desktop Music snap
DevOps mysql-apt-config_0.8.32-1_all.deb Templates
Dockerfile mysql-workbench-community_8.0.43-1ubuntu24.04_amd64.deb unit1
Documents Pictures Videos
Downloads project1
folder1 Public
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~$ cd DevOps/
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps$ ls
program1 program2
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps$ cd program2
1rv24mc051_karthikb@karthik-Lenovo-G50-80: ~/DevOps/program2$ ls
src
```

```
Oct 31 10:49  
1rv24mc051_karthikb@karthik-Lenovo-G50-80:~/DevOps/program2  
cd program2  
ls  
src  
nano Dockerfile  
ls  
src  
nano Dockerfile  
nano package.json  
ls  
Dockerfile package.json src  
cd src  
ls  
index.js  
nano index.js  
docker build -t program2 .  
ERROR: permission denied while trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Head "http://%2Fvar%2Frun%2Fdocker.sock/_ping": dial unix /var/run/docker.sock: connect: permission denied  
sudo docker build -t program2 .  
[sudo] password for 1rv24mc051_karthikb:  
[+] Building 0.2s (1/1) FINISHED docker:default  
=> [internal] load build definition from Dockerfile 0.1s  
=> => transferring dockerfile: 2B 0.0s  
ERROR: failed to build: failed to solve: failed to read dockerfile: open Dockerfile: no such file or directory  
cd..: command not found  
cd DevOps/  
cd program2  
sudo docker build -t program2 .  
[+] Building 9.6s (7/14) docker:default  
=> [internal] load build definition from Dockerfile 0.1s
```

- Now From inside program2, build the Docker image (if Dockerfile is present):
 - Run the Docker container, mapping port 3000:



RV College of engineering