

# PRACTICAL EXERCISE - DOCKER COMPOSE

## TASK:-

# Create the same docker container using docker compose, use the same conditions described in docker practical test.

## # docker-compose.yml

```
version: '3.3'
services:
  node-app-compose:
    image: node-app-compose:latest
    build:
      context: .
    environment:
      - ENV_NODE=production
    container_name: nodeapp-compose
    volumes:
      - type: volume
        source: nodeapp_volume
        target: /uv/nodeapp/logs
        #./nodeapp_volume:/uv/nodeapp/logs
    ports:
      - '5000:3000'
    command: node server.js
volumes:
  nodeapp_volume:
```

# To build

—> sudo docker-compose build

# To run

—> sudo docker-compose up

# To execute

—> curl localhost:5000/healthcheck

## # Dockerfile

```
FROM node:latest

EXPOSE 3000

WORKDIR /uv/nodeapp

ENV ENV_NODE=production

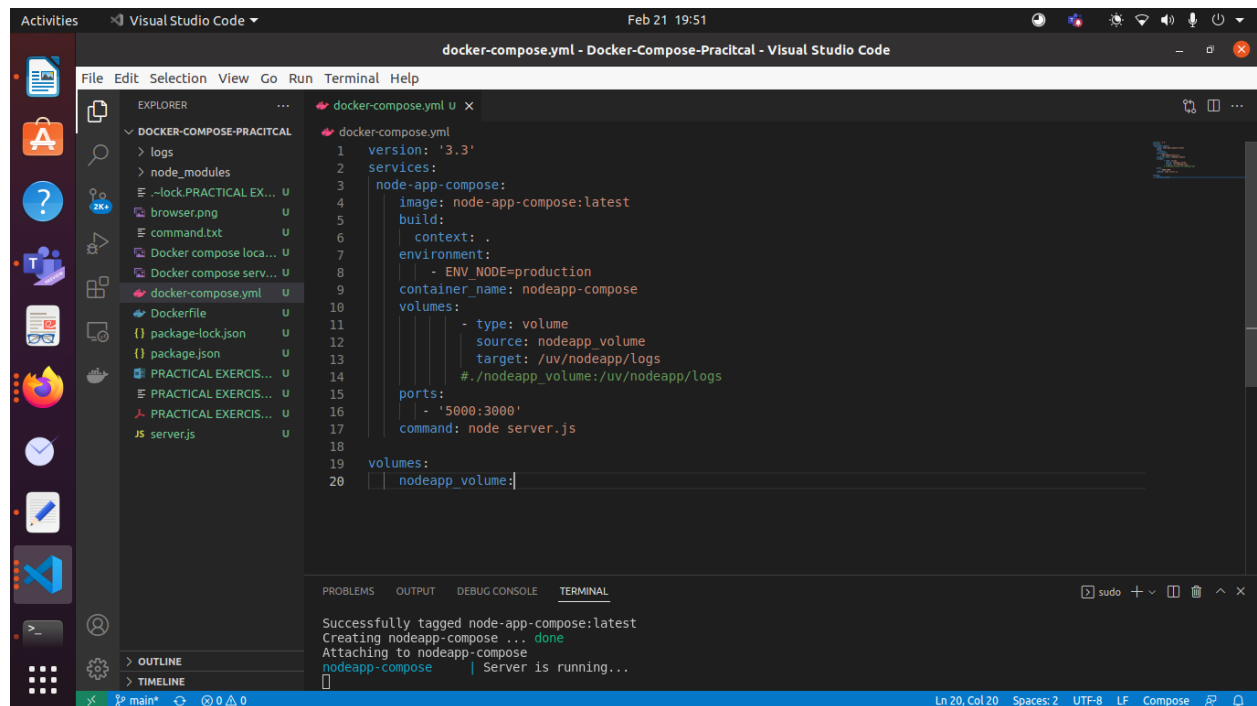
COPY [ "package*.json", "/" ]

RUN npm install --production

COPY . /uv/nodeapp

CMD ["node", "server.js" ]
```

## Output:-



The screenshot shows the Visual Studio Code interface with the `docker-compose.yml` file open in the editor. The file contains the following configuration:

```
version: '3.3'
services:
  node-app-compose:
    image: node-app-compose:latest
    build:
      context: .
    environment:
      - ENV_NODE=production
    container_name: nodeapp-compose
    volumes:
      - type: volume
        source: nodeapp_volume
        target: /uv/nodeapp/logs
        #./nodeapp_volume:/uv/nodeapp/logs
    ports:
      - '5000:3000'
    command: node server.js
volumes:
  nodeapp_volume:
```

The terminal output at the bottom shows the following commands and their results:

```
Successfully tagged node-app-compose:latest
Creating nodeapp-compose ... done
Attaching to nodeapp-compose
nodeapp-compose | Server is running...
```

Activities Visual Studio Code Feb 18 19:36

docker-compose.yml - Docker-Compose-Practcal - Visual Studio Code

File Edit Selection View Go Run Terminal Help

EXPLORER

- DOCKER-COMPOSE-PRACTICAL
  - logs
  - node\_modules
  - Docker compose se... u
  - docker-compose.yml u
  - Dockerfile u
  - package-lock.json u
  - package.json u
  - server.js u

OUTLINE

TIMELINE

main\*

Ln 20, Col 20 Spaces: 2 UTF-8 LF Compose

urveshdomadiya@sf-cpu-248:~/Documents/Docker Compose/Docker-Compose-Practcal\$ curl localhost:5000/healthcheck

```
{
  "code": 2000,
  "msg": "Production Mode: Healthcheck is success!"
}
```

urveshdomadiya@sf-cpu-248:~/Documents/Docker Compose/Docker-Compose-Practcal\$

sudo  
bash

