PRACTICAL EXERCISE - DOCKER

TASK:-1

TASK:-2

#Application should be running on port 5000

--> sudo docker run -d -p 5000:3000 --name node-app node-app:latest

TASK:-3

#Logs folders should be mounted on the local disk - that means if someone restarts the container logs folder's data should be persisted.

-> sudo docker run -v nodeapp-volume:/uv/nodeapp -d --name node-app node-app:latest

TASK:-4

#Application should run in "Production Mode" not in "Local Mode".

--> sudo docker run -e ENV_NODE=production

TASK:-5

#Dockerfile

```
# Latest version of node as bash image
FROM node:latest

# Expose the port that is used in server file
EXPOSE 3000

# The working directory is used to creat the directory and it will creat
location inside container as working directory.

WORKDIR /uv/nodeapp

# We want to run our server file in production mode
ENV ENV_NODE = production

# It will copy the .json file from local directory to container directory

COPY package.json package-lock.json* ./

# To run server file we need to install npm inside container directory
```

```
# It will copy all the from local directory to container directory

COPY . .

# Start node with its default content

ENTRYPOINT [ "node" ]

# It will run the server file

CMD ["server.js" ]
```

#Creat a docker image and Run it in your local environment.

—> sudo docker run -p 5000:3000 -v nodeapp-volume:/uv/nodeapp -e ENV_NODE=production -d --name node-app node-app:latest

#Execution command for local environment

-> curl localhost:5000/healthcheck

Output:-



