```
docker create hello-world
docker run hello-world
docker rename silly_hertz ex9
docker update --memory 512m --memory-swap 1g ex9
docker start ex9
docker start -i ex9
docker container Is
docker container Is -a
docker image Is
docker image Is -a
docker ps
docker ps -a
docker volumes Is
docker stop ex9
docker rm ex9
docker run -it openjdk
System.out.print("Hello World");
Ex 9b
cd ..
cd ..
mkdir myapp
cd myapp
Below is app.py
print("Hello this is from docker")
Below is Dockerfile.txt
FROM python:3.9-slim
WORKDIR /app
COPY . /app
RUN pip install --no-cache-dir -r requirements.txt || true
CMD ["python", "app.py"]
```

Ex 9a

```
ren Dockerfile.txt Dockerfile
docker build -t mypythonapp.
docker run --name mycontainer mypythonapp
Change app.py
import time
while True:
  print("Hello this is from docker still running")
  time.sleep(5)
docker build -t mypythonapp.
docker run --name mycontainer1 mypythonapp
docker stop mycontainer1
Ex 9c
cd ..
cd ..
mkdir myflaskapp
cd myflaskapp
Below is app.py
from flask import Flask
app = Flask(__name__)
@app.route("/")
def home():
   return "Hello from Flask inside Docker!"
if __name__ == "__main__":
  app.run(host="0.0.0.0", port=5000)
Below is requirements.txt
Flask
Below is Dockerfile.txt
          FROM python:3.9-slim
          WORKDIR /app
          COPY requirements.txt.
```

```
COPY . .
          EXPOSE 5000
          CMD ["python", "app.py"]
ren Dockerfile.txt Dockerfile
docker build -t mypythonapp.
docker run -d -p 5000:5000 --name myflaskcontainer myflaskapp
docker stop myflaskcontainer
Ex 9d
cd ..
cd ..
mkdir myvolapp
cd myvolapp
Below is app.py
print("Hello this is from docker")
Below is Dockerfile.txt
FROM python:3.9-slim
WORKDIR /app
COPY . /app
RUN pip install --no-cache-dir -r requirements.txt || true
CMD ["python", "app.py"]
ren Dockerfile.txt Dockerfile
docker build -t myvolapp.
docker run -d -p 5006:5006 -v mydata:/data myvolapp
docker run --rm -it -v mydata:/data alpine cat /data/log.txt
```

RUN pip install -r requirements.txt