Cloud Computing Laboratory

Week No: 5

SRN: PES1201801580

1a:

2a:

3a:

My SRN is PES1201801580>

I am running a nginx container!

3b:

```
root@ip-172-31-37-209: /home/ubuntu/task3
root@ip-172-31-37-209:/home/ubuntu/task3# docker run -p 80:80 taskc
/docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration
/docker-entrypoint.sh: Looking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Launching /docker-entrypoint.d/10-listen-on-ipv6-by-default.sh
10-listen-on-ipv6-by-default.sh: info: Getting the checksum of /etc/nginx/conf.d/default.conf
10-listen-on-ipv6-by-default.sh: info: Enabled listen on IPv6 in /etc/nginx/conf.d/default.conf
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
```

3c:

```
root@ip-172-31-37-209: /home/ubuntu/task3
root@ip-172-31-37-209:/home/ubuntu/task3# docker ps
CONTAINER ID   IMAGE    COMMAND               CREATED         STATUS         PORTS                      NAMES
a80ad677aa30   mongo    "docker-entrypoint.s…"  6 minutes ago   Up 6 minutes   0.0.0.0:27017->27017/tcp   friendly_engelbart
root@ip-172-31-37-209:/home/ubuntu/task3# docker run taskc2
Inserted into the MongoDB database!
Fecthed from MongoDB:  {'_id': ObjectId('6030e71c014af1baf4c2926e'), 'Name:': 'K. Sreesh Reddy', 'SRN': 'PES1201801580'}
root@ip-172-31-37-209:/home/ubuntu/task3#
```

3d:

```
root@ip-172-31-44-58:/home/ubuntu/task3# docker run -dp 27017:27017 --network=my-bridge-network --name=m
ongodb mongo:latest
dcc043eee9776dd8e55881a5f1f787eb3d94595c7e0a9d2f26d43176c94e83a6
root@ip-172-31-44-58:/home/ubuntu/task3# docker ps
CONTAINER ID   IMAGE          COMMAND               CREATED         STATUS         PORTS
          NAMES
dcc043eee977   mongo:latest   "docker-entrypoint.s…"  33 seconds ago  Up 33 seconds  0.0.0.0:27017->2
7017/tcp    mongodb
```

3e:

```
root@ip-172-31-44-58:/home/ubuntu/task3# docker run --network=my-bridge-network taskc2
Inserted into the MongoDB database!
Fecthed from MongoDB:  {'_id': ObjectId('6030f95bcd7cf77416fe510e'), 'Name:': 'K. Sreesh Reddy', 'SRN':
'PES1201801580'}
```

4a:

4b:

5a:

```
root@ip-172-31-44-58:/home/ubuntu/PES1201801580# docker run --mount type=bind,source='/home/ubuntu/PES1201801580',target='/home/ubuntu' -it --entrypoint bash python
root@20fc13e3b51f:/# cd /home/ubuntu
root@20fc13e3b51f:/home/ubuntu# ls
Dockerfile  details.txt  sample.py
root@20fc13e3b51f:/home/ubuntu# python sample.py
line 1: My name is K. Sreesh Reddy
line 2: My SRN is PES1201801580
line 3: I am from E Section
line 4: I am in my 6th semester
root@20fc13e3b51f:/home/ubuntu#
```