NAME: NAGAVENI L G

SRN: PES2UG21CS315

SEC:6F

### TASK1

1a

```
PS C:\Users\Praka\OneDrive\Documents\6thSEM\CC\PES2UG21CS315_NAGAVENI_LG> docker run hello-world
Hello from Docker!
This message shows that your installation appears to be working correctly.

To generate this message, Docker took the following steps:

1. The Docker client contacted the Docker daemon.

2. The Docker daemon pulled the "hello-world" image from the Docker Hub.
(amd64)

3. The Docker daemon created a new container from that image which runs the
executable that produces the output you are currently reading.

4. The Docker daemon streamed that output to the Docker client, which sent it
to your terminal.

To try something more ambitious, you can run an Ubuntu container with:
$ docker run -it ubuntu bash

Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/

PS C:\Users\Praka\OneDrive\Documents\6thSEM\CC\PES2UG21CS315_NAGAVENI_LG>
```

### TASK2

2a

### TASK3

## За

```
PS C:\Users\Praka\OneDrive\Documents\6thSEM\CC\PES2UG21CS315_NAGAVENI_LG\Assignment-2 Docker\task3\task3-nginx> docker run -p 80:80 task3 /docker-entrypoint.sh: /docker-entrypoint.d/ is not empty, will attempt to perform configuration /docker-entrypoint.sh: Louking for shell scripts in /docker-entrypoint.d/
/docker-entrypoint.sh: Lounching /docker-entrypoint.d/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: Sourcing /docker-entrypoint.d/15-local-resolvers.envsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
202u/02/06 13:06:18 [notice] #1: using the "epol!" event method
202u/02/06 13:06:18 [notice] #1: built by gcc 12.2.0 (Debian 12.2.0-14)
202u/02/06 13:06:18 [notice] #1: built by gcc 12.2.0 (Debian 12.2.0-14)
202u/02/06 13:06:18 [notice] #1: start worker processes
202u/02/06 13:06:18 [notice] #1: start worker process 20
202u/02/06 13:06:18 [notice] #1: start worker process 30
202u/02/06 13:06:18 [notice] #1: start worker process 31
202u/02/06 13:06:18 [notice] #1: start worker process 32
202u/02/06 13:06:18 [notice] #1: start worker process 33
202u/02/06 13:06:18 [notice] #1: start worker process 34
202u/02/06 13:06:18 [notice] #1: start worker process 35
202u/02/06 13:06:18 [notice] #1: start worker process 35
202u/02/06 13:06:18 [notice] #1: start worker process 36
202u/02/06 13:06:18 [notice] #1: start worker process 35
202u/02/06 13:06:18 [notice] #1: start worker process 36
```

3b



# My SRN is PES2UG21CS315

I am running a nginx container!

PS C:\Users\Praka\OneDrive\Documents\6thSEM\CC\PES2UG21CS315\_NAGAVENI\_LG\Assignment-2 Docker\task3\task3-pymongo> docker run -dp 27017:27017 mongo 6738f172cfd34822a5f16d3f910ed19e1f571a9c30ecd54bccela159e4797e61
PS C:\Users\Praka\OneDrive\Documents\6thSEM\CC\PES2UG21CS315\_NAGAVENI\_LG\Assignment-2 Docker\task3\task3-pymongo>

```
PS C:\Users\Praka\OneDrive\Documents\6thSEM\CC\PES2UG21CS315_NAGAVENI_LG\Assignment-2 Docker\task3\task3-pymongo> docker run task3
Inserted into the MongoDB database!
Fecthed from MongoDB: {'_id': ObjectId('65c23241b90784fdbe8f79b7'), 'Name:': 'Nagaveni L G', 'SRN': 'PES2UG21CS315'}
PS C:\Users\Praka\OneDrive\Documents\6thSEM\CC\PES2UG21CS315_NAGAVENI_LG\Assignment-2 Docker\task3\task3-pymongo>
```

3d

```
PS C:\Users\Praka\OneDrive\Documents\6thSEM\CC\PES2UG21C3315_NAGAVENI_LG\Assignment-2 Docker\task3\task3-pymongo> docker ps -a
CONTAINER ID IMAGE COMMAND CREATED PORTS
02e5e3935d30 mongo:latest "docker-entrypoint.s." 33 seconds ago Up 30 seconds 0.0.0.0.0:27017->27017/tcp mongodb vigorous_sanderson col.heisenberg col.he
```

3e

## TASK4

# 4a

```
PS C:\Users\Praka\OneDrive\Documents\6thSEM\CC\PES2UG21CS315_NAGAVENI_LG\Assignment-2 Docker\task4> docker run task4 Running this inside a container !

My SRN is PES2UG21CS315
PS C:\Users\Praka\OneDrive\Documents\6thSEM\CC\PES2UG21CS315_NAGAVENI_LG\Assignment-2 Docker\task4> |
```

