

PES University, Bangalore

(Established under Karnataka Act No. 16 of 2013)

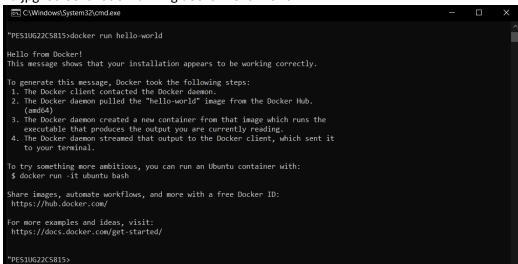
Department of Computer Science and Engineering

UE21CS351B: Cloud Computing

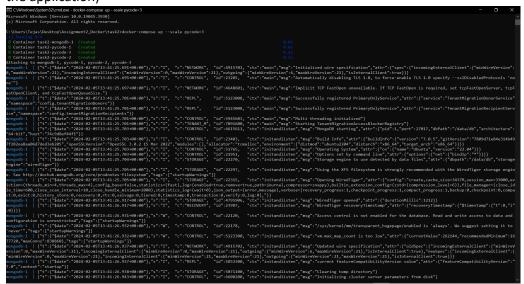
Assignment - 2

Manasi Tawade Section D PES1UG22CS815

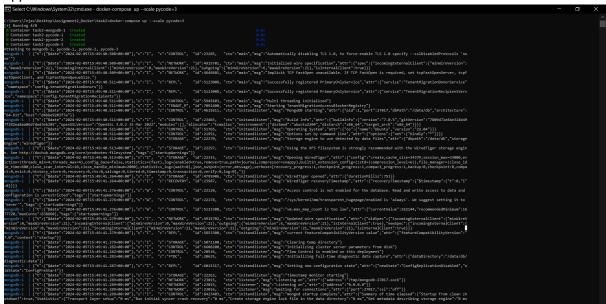
1a.jpg: Screenshot of running docker hello-world.



2a.jpg: Screenshot of python-mongodb application running as a docker-compose application(logs of the application)



2b.jpg: Screenshot of 3 python application writes and reads from MongoDB after scaling the python application

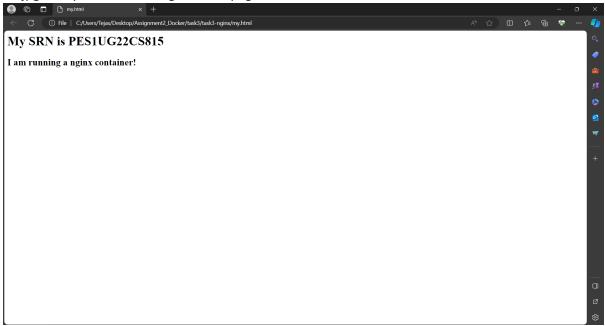


3a.jpg: Screenshot of docker container running nginx

```
C:\Users\Tejas\Desktop\Assignment2_Docker\task3\task3-nginx>docker run -p 90:90 task3

/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: Louking 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: Fanabled 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/30-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-process 30
2024/02/05 14:27:16 [notice] ##1: start worker process 31
2024/02/05 14:27:16 [notice] ##1: start worker process 32
2024/02/05 14:27:16 [notice] ##1: start worker process 34
2024/02/05 14:27:16 [notice] ##1: start worker process 35
2024/02/05 14:27:16 [notice] ##1: start worker process 35
2024/
```

3b.jpg: Sample.html showing the web page on the browser.



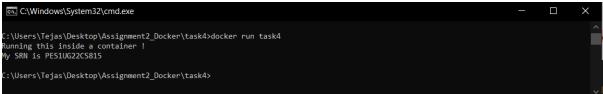
3c.jpg: Screenshot of python application successfully writing and reading from the MongoDB database

3d.jpg: Screenshot showing mongodb being run within the network(docker command has to be clearly highlighted)

```
C:\Users\Tejas\Desktop\Assignment2_Docker\task3\task3-pymongo>docker run task3
Inserted into the MongoDB database!
Fecthed from MongoDB: {'_id': ObjectId('65c0f3ada409faf41f76b0f8'), 'Name:': '<Your Name>', 'SRN': '<YOUR_SRN>'}
C:\Users\Tejas\Desktop\Assignment2_Docker\task3\task3-pymongo>
```

3e.jpg: Screenshot showing python file being run within the network and successfully writing and reading from MongoDB(docker command has to be clearly highlighted)

4a.jpg: Screenshot of C Program successfully run inside the container.



4b.jpg: Screenshot of the image pushed to Dockerhub.

MANASI TAWADE (PES1UG22CS815)

