

Name: Manasa R
SRN: PES2UG19CS215
Sec: D

CC-LAB2

1a.

```
#####  
#                               #  
#           WARNING!!!!        #  
# This is a sandbox environment. Using personal credentials #  
# is HIGHLY! discouraged. Any consequences of doing so are #  
# completely the user's responsibilities.                    #  
#                               #  
# The PWD team.                                                #  
#####  
[node1] (local) root@192.168.0.8 ~  
$ docker run hello-world  
Unable to find image 'hello-world:latest' locally  
latest: Pulling from library/hello-world  
2db29710123e: Pull complete  
Digest: sha256:97a379f4f88575512824f3b352bc03cd75e239179eea0fecc38e597b2209f49a  
Status: Downloaded newer image for hello-world:latest  
  
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
```

2a.

```
[node1] (local) root@192.168.0.8 ~  
$ docker run task2  
Running this inside a container !  
My srn is PES2UG19CS215  
[node1] (local) root@192.168.0.8 ~  
$ █
```

2b.

Docker Hub

hub.docker.com/repository/docker/manasa2811/task2

Advanced Image Management
View all your images and tags in this repository, clean up unused content, recover untagged images. Available with Pro, Team and Business subscriptions. [View preview](#)

manasa2811 / task2
This repository does not have a description
Last pushed: 2 minutes ago

Docker commands [Public View](#)
To push a new tag to this repository,
`docker push manasa2811/task2:tagname`

Tags and Scans VULNERABILITY SCANNING - DISABLED [Enable](#)
This repository contains 1 tag(s).

TAG	OS	PULLED	PUSHED
v4	linux/amd64	...	2 minutes ago

[See all](#)

Automated Builds
Manually pushing images to Hub? Connect your account to GitHub or Bitbucket to automatically build and tag new images whenever your code is updated, so you can focus your time on creating.
Available with Pro, Team and Business subscriptions.
[Upgrade to Pro](#) [Learn more](#)

3a.

Not secure | ip172-18-0-13-c8d1pefnjsv000e23ou0-80.direct.labs.play-with-docker.com/my.html

My SRN is PES2UG19CS215

I am running a nginx container!

Type here to search

27°C 18:39 26-02-2022

3b.

```
/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
2022/02/26 13:07:07 [notice] 1#1: using the "epoll" event method
2022/02/26 13:07:07 [notice] 1#1: nginx/1.21.6
2022/02/26 13:07:07 [notice] 1#1: built by gcc 10.2.1 20210110 (Debian 10.2.1-6)
2022/02/26 13:07:07 [notice] 1#1: OS: Linux 4.4.0-210-generic
2022/02/26 13:07:07 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2022/02/26 13:07:07 [notice] 1#1: start worker processes
2022/02/26 13:07:07 [notice] 1#1: start worker process 31
2022/02/26 13:07:07 [notice] 1#1: start worker process 32
```

3c.

```
Removing intermediate container fff812ab412e
--> 7bfaef82aeb8
Successfully built 7bfaef82aeb8
Successfully tagged task3b:latest
[node1] (local) root@192.168.0.8 ~
$ docker run task3b
Inserted into the MongoDB database!
Fetched from MongoDB: {'_id': ObjectId('621a293858e74338835264ac'), 'Name': 'Manasa R', 'SRN': 'PES2UG19CS215'}
[node1] (local) root@192.168.0.8 ~
$
```

3d.

```
[node1] (local) root@192.168.0.8 ~
$ docker network create my-bridge-network
85e357a313b2c9be54e15ef81dc75c8b5b3cb17e44095cb272f89ea8ac07777c
[node1] (local) root@192.168.0.8 ~
$ docker run -dp 27017:27017 --network=my-bridge-network --name=mongodb mongo:latest
6f6ea3c68431a36b3072e9e2041fbc54e4f6358abf6dbfba0c708e282a2c22b3
[node1] (local) root@192.168.0.8 ~
```

3e.

```
[node1] (local) root@192.168.0.8 ~
$ docker run --network=my-bridge-network task3c
Inserted into the MongoDB database!
Fetched from MongoDB: {'_id': ObjectId('621a2af5aa69f9010e5f6c21'), 'Name': 'Manasa R', 'SRN': 'PES2UG19CS215'}
[node1] (local) root@192.168.0.8 ~
```

4a.

```
ex": "_id_", "commitTimestamp": null}}
pycode_1 | Inserted into the MongoDB database!
pycode_1 | Fetched from MongoDB: {'_id': ObjectId('621a2c54b4d160ae640c187b'), 'Name': 'Manasa R', 'SRN': 'PES2UG19CS215'}
mongodb_1 | {"t":{"$date":"2022-02-26T13:34:13.997+00:00"},"s":"I", "c":"-", "id":20883, "ctx":"conn1", "msg":"Interrupted operation as its client disconnected", "attr":{"opId":13}}
mongodb_1 | {"t":{"$date":"2022-02-26T13:34:13.999+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn1", "msg":"Connection ended", "attr":{"remote":"172.20.0.3:47850", "uuid":"285469e6-a0c8-46bf-aa6a-839051ef527b", "connectionId":1, "connectionCount":2}}
mongodb_1 | {"t":{"$date":"2022-02-26T13:34:14.025+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn3", "msg":"Connection ended", "attr":{"remote":"172.20.0.3:47888", "uuid":"587c086d-a8ec-4e72-ac2b-708a7b244daf", "connectionId":1, "connectionCount":7}}
```

4b.

```
ngo", "version": "4.0.1", "os": {"type": "Linux", "name": "Linux", "architecture": "x86_64", "version": "4.4.0-210-generic"}, "platform": "CPython 3.10.2.final.0"}}
pycode_3 | Inserted into the MongoDB database!
pycode_3 | Fetched from MongoDB: {'_id': ObjectId('621a2c54b4d160ae640c187b'), 'Name': 'Manasa R', 'SRN': 'PES2UG19CS215'}
mongodb_1 | {"t":{"$date":"2022-02-26T13:36:35.532+00:00"},"s":"I", "c":"-", "id":20883, "ctx":"conn1", "msg":"Interrupted operation as its client disconnected", "attr":{"opId":17}}
mongodb_1 | {"t":{"$date":"2022-02-26T13:36:35.534+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn1", "msg":"Connection ended", "attr":{"remote":"172.20.0.3:40658", "uuid":"0019ff0c-fa3e-4d58-9bb8-6c381cdef5fd", "connectionId":1, "connectionCount":7}}
mongodb_1 | {"t":{"$date":"2022-02-26T13:36:35.559+00:00"},"s":"I", "c":"NETWORK", "id":22944, "ctx":"conn1", "msg":"Connection ended", "attr":{"remote":"172.20.0.3:40658", "uuid":"0019ff0c-fa3e-4d58-9bb8-6c381cdef5fd", "connectionId":1, "connectionCount":7}}
```

```
$ docker-compose up --scale pycode=3
Starting root_mongodb_1 ... done
Starting root_pycode_1 ... done
Creating root_pycode_2 ... done
Creating root_pycode_3 ... done
Attaching to root_mongodb_1, root_pycode_1, root_pycode_2, root_pycode_3
mongodb_1 | {"t":{"$date":"2022-02-26T13:36:32.131+00:00"},"s":"I", "c":"NETWORK", "id":4915701, "ctx":"thr
ead1","msg":"Initialized wire specification","attr":{"spec":{"incomingExternalClient":{"minWireVersion":0,"max
WireVersion":13},"incomingInternalClient":{"minWireVersion":0,"maxWireVersion":13},"outgoing":{"minWireVersion
":0,"maxWireVersion":13},"isInternalClient":true}}}
mongodb_1 | {"t":{"$date":"2022-02-26T13:36:32.132+00:00"},"s":"I", "c":"CONTROL", "id":23285, "ctx":"thr
```