

Cloud Computing Lab Report Week-5

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Sem: 6 Section: D

Roll No.: 6

1a.

```
root@ip-172-31-79-24: /home/ubuntu
OS/Arch: linux/amd64
Experimental: false
containerd:
  Version: 1.4.3
  GitCommit: 269548fa27e0089a8b8278fc4fc781d7f65a939b
runc:
  Version: 1.0.0-rc92
  GitCommit: ff819c7e9184c13b7c2607fe6c30ae19403a7aff
docker-init:
  Version: 0.19.0
  GitCommit: de40ad0
If you would like to use Docker as a non-root user, you should now consider
adding your user to the "docker" group with something like:

    sudo usermod -aG docker your-user

Remember that you will have to log out and back in for this to take effect!

WARNING: Adding a user to the "docker" group will grant the ability to run
containers which can be used to obtain root privileges on the
docker host.
Refer to https://docs.docker.com/engine/security/security/#docker-daemo
n-attack-surface
for more information.
ubuntu@ip-172-31-79-24:~$ docker run hello-world
docker: Got permission denied while trying to connect to the Docker daemon socke
t at unix:///var/run/docker.sock: Post http://%2Fvar%2Frun%2Fdocker.sock/v1.24/c
ontainers/create: dial unix /var/run/docker.sock: connect: permission denied.
See 'docker run --help'

ubuntu@ip-172-31-79-24:~$ sudo -s
root@ip-172-31-79-24:/home/ubuntu# docker run hello-world
Unable to find image 'hello-world:latest' locally
latest: Pulling from library/hello-world
0e03bdcc26d7: Pull complete
Digest: sha256:95ddb6c31407e84e91a986b004aee40975cb0bda14b5949f6faac5d2deadb4b9
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

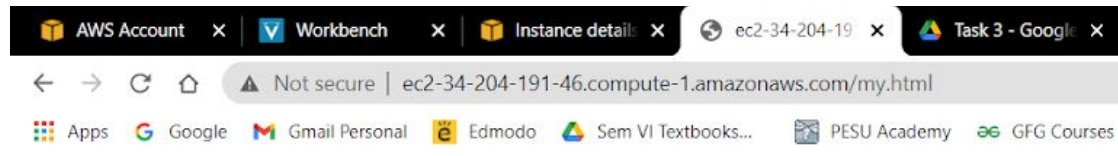
Share images, automate workflows, and more with a free Docker ID:
https://hub.docker.com/

For more examples and ideas, visit:
https://docs.docker.com/get-started/
root@ip-172-31-79-24:/home/ubuntu# |
```

2a.

```
root@ip-172-31-79-24:/home/ubuntu/task2# docker images
REPOSITORY      TAG         IMAGE ID      CREATED        SIZE
task2            latest     c6c9affce3ea  38 seconds ago 210MB
python          latest     619f31abac4b  13 hours ago   885MB
nginx           latest     35c43ace9216  2 days ago    133MB
mongo           latest     b8264a857eba  3 days ago    449MB
ubuntu           latest     f63181f19b2f  4 weeks ago   72.9MB
ubuntu          18.04      c090eaba6b94  4 weeks ago   63.3MB
hello-world     latest     bf756fb1ae65  13 months ago 13.3kB
root@ip-172-31-79-24:/home/ubuntu/task2# docker run task2
Running this inside a container !
My SRN is PES1201800102
root@ip-172-31-79-24:/home/ubuntu/task2#
```

3a.



My SRN is PES1201800102

I am running a nginx container!

3b.

```
root@ip-172-31-79-24: /home/ubuntu/task3
---> 04bda08466b2
Step 6/6 : CMD ["/a.out"]
---> Running in d2ef5a5b889e
Removing intermediate container d2ef5a5b889e
---> c6c9affce3ea
Successfully built c6c9affce3ea
Successfully tagged task2:latest
root@ip-172-31-79-24:/home/ubuntu/task2# docker images
REPOSITORY    TAG       IMAGE ID       CREATED        SIZE
task2         latest   c6c9affce3ea   38 seconds ago 210MB
python        latest   619f31abac4b   13 hours ago   885MB
nginx         latest   35c43ace9216   2 days ago     133MB
mongo         latest   b8264a857eba   3 days ago     449MB
ubuntu        latest   f63181f19b2f   4 weeks ago    72.9MB
ubuntu        18.04    c090eaba6b94   4 weeks ago    63.3MB
hello-world   latest   bf756fb1ae65   13 months ago 13.3kB
root@ip-172-31-79-24:/home/ubuntu/task2# docker run task2
Running this inside a container !
My SRN is PES1201800102
root@ip-172-31-79-24:/home/ubuntu/task2# cd..
cd..: command not found
root@ip-172-31-79-24:/home/ubuntu/task2# cd..
cd..: command not found
root@ip-172-31-79-24:/home/ubuntu/task2# cd
root@ip-172-31-79-24:~# sudo -s
root@ip-172-31-79-24:~# cd /home
root@ip-172-31-79-24:/home# cd /ubuntu
bash: cd: /ubuntu: No such file or directory
root@ip-172-31-79-24:/home# cd ubuntu
root@ip-172-31-79-24:/home/ubuntu# mkdir task3
root@ip-172-31-79-24:/home/ubuntu# cd task3
root@ip-172-31-79-24:/home/ubuntu/task3# nano my.html
root@ip-172-31-79-24:/home/ubuntu/task3# ls
my.html
root@ip-172-31-79-24:/home/ubuntu/task3# nano Dockerfile
root@ip-172-31-79-24:/home/ubuntu/task3# docker build -t taskc .
Sending build context to Docker daemon 3.072kB
Step 1/2 : FROM nginx
---> 35c43ace9216
Step 2/2 : COPY my.html /usr/share/nginx/html
---> e21cd9e0599d
Successfully built e21cd9e0599d
Successfully tagged taskc:latest
root@ip-172-31-79-24:/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-172-31-79-24: /home/ubuntu/task3
root@ip-172-31-79-24: /home/ubuntu/task3# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
acdbd02e53fe   mongo    "docker-entrypoint.s..." 10 minutes ago Up 10 minutes 0.0.0.0:27017->27017/tcp            hopeful_chatelet
root@ip-172-31-79-24: /home/ubuntu/task3# docker run taskc2
Inserted into the MongoDB database!
Fetched from MongoDB: {'_id': ObjectId('6030aa3f8e2d6d1f9a27f8ae'), 'Name': 'Vishruth', 'SRN': 'PES1201800102'}
root@ip-172-31-79-24: /home/ubuntu/task3#
```

3d.

```
root@ip-172-31-79-24: /home/ubuntu/task3
root@ip-172-31-79-24: /home/ubuntu/task3# docker run -dp 27017:27017 --network=my-bridge-network --name=mongodb mongo:latest
1c796fc37fc0a64c41e8c54863fd952168206fdf818ebe9a7fce61de2b59b716
root@ip-172-31-79-24: /home/ubuntu/task3# docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
1c796fc37fc0   mongo:latest "docker-entrypoint.s..." 10 seconds ago Up 9 seconds 0.0.0.0:27017->27017/tcp            mongodb
root@ip-172-31-79-24: /home/ubuntu/task3#
```

3e.

```
root@ip-172-31-79-24: /home/ubuntu/task3
root@ip-172-31-79-24: /home/ubuntu/task3# docker run --network=my-bridge-network taskc2
Inserted into the MongoDB database!
Fetched from MongoDB: {'_id': ObjectId('6030acdac4f2dfe99499cb9b'), 'Name': 'Vishruth', 'SRN': 'PES1201800102'}
root@ip-172-31-79-24: /home/ubuntu/task3#
```


4a.

```
root@ip-172-31-79-24:/home/ubuntu/task4
mongo_0.1 | [{"_id": "2021-02-20T06:41:03.735+00:00", "s": "I", "c": "CONTROL", "id": 21951, "ctx": {"initandlisten", "msg": "Options set by command line", "attr": {"options": {"net": {"bindip": "0.0.0.0"}, "storage": {"storageEngine": "wiredTiger"}}, "dbpath": "/data/db", "storageEngine": "wiredTiger"}}, "id": 22270, "ctx": {"initandlisten", "msg": "Storage engine to use detected by data files", "attr": {"dbpath": "/data/db", "storageEngine": "wiredTiger"}}, "id": 22297, "ctx": {"initandlisten", "msg": "Using the XFS filesystem is strongly recommended with the WiredTiger storage engine. See http://docs.mongodb.org/core/production-filesystems", "tags": ["startupWarnings"]}], [{"_id": "2021-02-20T06:41:03.737+00:00", "s": "I", "c": "STORAGE", "id": 22315, "ctx": {"initandlisten", "msg": "Opening WiredTiger", "attr": {"config": "create,cache_size=1454M,session_max=33000,eviction=(threads_min=4,threads_max=4),config_base=false,statistics=(fast),log=(enabled=true,archive=true,path=journal,compressor=snappy),file_manager=(close_idle_time=100000,close_scan_interval=10,close_handle_minimum=250),statistics_log=(waited=0),verbose=[recovery_progress,checkpoint_progress,compact_progress]"}, "id": 22430, "ctx": {"initandlisten", "msg": "WiredTiger message", "attr": {"message": "[1613803264:488186][1:0x7fff11d82ac0], txn-recover: [WT_VERB_RECOVERY_PROGRESS] Recovering log 1 through 2"}}, {"_id": "2021-02-20T06:41:04.573+00:00", "s": "I", "c": "STORAGE", "id": 22430, "ctx": {"initandlisten", "msg": "WiredTiger message", "attr": {"message": "[1613803264:573914][1:0x7fff11d82ac0], txn-recover: [WT_VERB_RECOVERY_PROGRESS] Recovering log 2 through 2"}}, {"_id": "2021-02-20T06:41:04.574+00:00", "s": "I", "c": "STORAGE", "id": 22430, "ctx": {"initandlisten", "msg": "WiredTiger message", "attr": {"message": "[1613803264:658625][1:0x7fff11d82ac0], txn-recover: [WT_VERB_RECOVERY | WT_VERB_RECOVERY_PROGRESS] Main recovery loop: starting at 1/27136 to 2/256"}}, {"_id": "2021-02-20T06:41:04.574+00:00", "s": "I", "c": "STORAGE", "id": 22430, "ctx": {"initandlisten", "msg": "WiredTiger message", "attr": {"message": "[1613803264:823010][1:0x7fff11d82ac0], txn-recover: [WT_VERB_RECOVERY_PROGRESS] Recovering log 1 through 2"}}, {"_id": "2021-02-20T06:41:04.823+00:00", "s": "I", "c": "STORAGE", "id": 22430, "ctx": {"initandlisten", "msg": "WiredTiger message", "attr": {"message": "[1613803264:823010][1:0x7fff11d82ac0], txn-recover: [WT_VERB_RECOVERY_PROGRESS] Set global recovery timestamp: (0, 0)}}, {"_id": "2021-02-20T06:41:04.877+00:00", "s": "I", "c": "STORAGE", "id": 22430, "ctx": {"initandlisten", "msg": "WiredTiger message", "attr": {"message": "[1613803264:877715][1:0x7fff11d82ac0], txn-recover: [WT_VERB_RECOVERY | WT_VERB_RECOVERY_PROGRESS] Set global oldest timestamp: (0, 0)}}, {"_id": "2021-02-20T06:41:04.952+00:00", "s": "I", "c": "STORAGE", "id": 4795906, "ctx": {"initandlisten", "msg": "WiredTiger message", "attr": {"message": "[1613803264:877715][1:0x7fff11d82ac0], txn-recover: [WT_VERB_RECOVERY | WT_VERB_RECOVERY_PROGRESS] Set global oldest timestamp: (0, 0)}}, {"_id": "2021-02-20T06:41:04.952+00:00", "s": "I", "c": "RECOVERY", "id": 23987, "ctx": {"initandlisten", "msg": "WiredTiger recoveryTimestamp", "attr": {"recoveryTimestamp": {"$timestamp": {"t": 0, "i": 0}}}}, {"_id": "2021-02-20T06:41:04.953+00:00", "s": "I", "c": "STORAGE", "id": 4366408, "ctx": {"initandlisten", "msg": "No table logging settings modifications are required for existing WiredTiger tables", "attr": {"loggingEnabled": true}}, {"_id": "2021-02-20T06:41:04.954+00:00", "s": "I", "c": "STORAGE", "id": 22262, "ctx": {"initandlisten", "msg": "Timestamp monitor starting"}}, {"_id": "2021-02-20T06:41:04.959+00:00", "s": "I", "c": "CONTROL", "id": 22120, "ctx": {"initandlisten", "msg": "Access control is not enabled for the database. Read and write access to data and configuration is unrestricted", "tags": ["startupWarnings"]}], [{"_id": "2021-02-20T06:41:04.961+00:00", "s": "I", "c": "STORAGE", "id": 20536, "ctx": {"initandlisten", "msg": "Flow Control is enabled on this deployment"}}, {"_id": "2021-02-20T06:41:04.962+00:00", "s": "I", "c": "FTDC", "id": 20625, "ctx": {"initandlisten", "msg": "Initializing full-time diagnostic data capture", "attr": {"dataDirectory": "/data/db/diagnostic.data"}}, {"_id": "2021-02-20T06:41:04.964+00:00", "s": "I", "c": "NETWORK", "id": 23015, "ctx": {"listener", "msg": "Listening on", "attr": {"address": "/tmp/mongodb-27017.sock"}}, {"_id": "2021-02-20T06:41:04.964+00:00", "s": "I", "c": "NETWORK", "id": 23015, "ctx": {"listener", "msg": "Listening on", "attr": {"address": "0.0.0.0"}}, {"_id": "2021-02-20T06:41:04.964+00:00", "s": "I", "c": "NETWORK", "id": 23016, "ctx": {"listener", "msg": "Waiting for connections", "attr": {"port": 27017, "ssl": "off"}}, {"_id": "2021-02-20T06:41:05.225+00:00", "s": "I", "c": "NETWORK", "id": 22943, "ctx": {"listener", "msg": "Connection accepted", "attr": {"remote": "172.19.0.3:41112", "connectionId": 1, "connectionCount": 1}}, {"_id": "2021-02-20T06:41:05.226+00:00", "s": "I", "c": "NETWORK", "id": 51800, "ctx": {"conn1", "msg": "client metadata", "attr": {"remote": "172.19.0.3:41112", "client": "conn1", "doc": {"driver": {"name": "PyMongo", "version": "3.11.3"}, "os": {"type": "Linux", "name": "Linux", "architecture": "x86_64", "version": "5.4.0-1037-aws"}, "platform": "CPython 3.9.2.final.0"}}}}, {"_id": "2021-02-20T06:41:05.227+00:00", "s": "I", "c": "NETWORK", "id": 22943, "ctx": {"listener", "msg": "Connection accepted", "attr": {"remote": "172.19.0.3:41114", "connectionId": 2, "connectionCount": 2}}, {"_id": "2021-02-20T06:41:05.228+00:00", "s": "I", "c": "NETWORK", "id": 51800, "ctx": {"conn2", "msg": "client metadata", "attr": {"remote": "172.19.0.3:41114", "client": "conn2", "doc": {"driver": {"name": "PyMongo", "version": "3.11.3"}, "os": {"type": "Linux", "name": "Linux", "architecture": "x86_64", "version": "5.4.0-1037-aws"}, "platform": "CPython 3.9.2.final.0"}}}}, {"_id": "2021-02-20T06:41:05.229+00:00", "s": "I", "c": "NETWORK", "id": 22943, "ctx": {"listener", "msg": "Connection accepted", "attr": {"remote": "172.19.0.3:41116", "connectionId": 3, "connectionCount": 3}}, {"_id": "2021-02-20T06:41:05.229+00:00", "s": "I", "c": "NETWORK", "id": 51800, "ctx": {"conn3", "msg": "client metadata", "attr": {"remote": "172.19.0.3:41116", "client": "conn3", "doc": {"driver": {"name": "PyMongo", "version": "3.11.3"}, "os": {"type": "Linux", "name": "Linux", "architecture": "x86_64", "version": "5.4.0-1037-aws"}, "platform": "CPython 3.9.2.final.0"}}}}, {"_id": "2021-02-20T06:41:05.229+00:00", "s": "I", "c": "NETWORK", "id": 22944, "ctx": {"conn1", "msg": "Connection ended", "attr": {"remote": "172.19.0.3:41112", "connectionId": 1, "connectionCount": 2}}, {"_id": "2021-02-20T06:41:05.229+00:00", "s": "I", "c": "NETWORK", "id": 22944, "ctx": {"conn2", "msg": "Connection ended", "attr": {"remote": "172.19.0.3:41114", "connectionId": 2, "connectionCount": 1}}, {"_id": "2021-02-20T06:41:05.733+00:00", "s": "I", "c": "NETWORK", "id": 22944, "ctx": {"conn3", "msg": "Connection ended", "attr": {"remote": "172.19.0.3:41116", "connectionId": 3, "connectionCount": 0}}], task4-pycode_1 exited with code 0
```

4b.

```
root@ip-172-31-79-24: /home/ubuntu/task4
name: "PyMongo", version: "3.11.3", os: {"type": "Linux", "name": "Linux", "architecture": "x86_64", "version": "5.4.0-1037-aws", "platform": "CPython 3.9.2.final.0"}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.790+00:00"}, "s": "I", "c": "NETWORK", "id": 22943, "ctx": "listener", "msg": "Connection accepted", "attr": {"remote": "172.19.0.3:41126", "connectionId": 3, "connectionCount": 3}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.815+00:00"}, "s": "I", "c": "NETWORK", "id": 51800, "ctx": "conn3", "msg": "client metadata", "attr": {"remote": "172.19.0.3:41126", "client": "conn3", "doc": {"driver": {"name": "PyMongo", "version": "3.11.3", "os": {"type": "Linux", "name": "Linux", "architecture": "x86_64", "version": "5.4.0-1037-aws", "platform": "CPython 3.9.2.final.0"}}}}
pycode_1 | Inserted into the MongoDB database!
mongodb_1 | Fetched from MongoDB: {"_id": ObjectId("6030aeecefd807bfb961bb"), "Name": "Vishruth", "SRN": "PES1201800102"}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.815+00:00"}, "s": "I", "c": "NETWORK", "id": 22943, "ctx": "listener", "msg": "Connection accepted", "attr": {"remote": "172.19.0.4:35498", "connectionId": 4, "connectionCount": 4}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.817+00:00"}, "s": "I", "c": "NETWORK", "id": 22943, "ctx": "listener", "msg": "Connection accepted", "attr": {"remote": "172.19.0.4:35500", "connectionId": 5, "connectionCount": 5}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.817+00:00"}, "s": "I", "c": "NETWORK", "id": 22943, "ctx": "listener", "msg": "Connection accepted", "attr": {"remote": "172.19.0.4:35502", "connectionId": 6, "connectionCount": 6}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.817+00:00"}, "s": "I", "c": "NETWORK", "id": 51800, "ctx": "conn6", "msg": "client metadata", "attr": {"remote": "172.19.0.4:35502", "client": "conn6", "doc": {"driver": {"name": "PyMongo", "version": "3.11.3", "os": {"type": "Linux", "name": "Linux", "architecture": "x86_64", "version": "5.4.0-1037-aws", "platform": "CPython 3.9.2.final.0"}}}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.818+00:00"}, "s": "I", "c": "NETWORK", "id": 51800, "ctx": "conn5", "msg": "client metadata", "attr": {"remote": "172.19.0.4:35500", "client": "conn5", "doc": {"driver": {"name": "PyMongo", "version": "3.11.3", "os": {"type": "Linux", "name": "Linux", "architecture": "x86_64", "version": "5.4.0-1037-aws", "platform": "CPython 3.9.2.final.0"}}}}
pycode_3 | Inserted into the MongoDB database!
pycode_3 | Fetched from MongoDB: {"_id": ObjectId("6030aeecefd807bfb961bb"), "Name": "Vishruth", "SRN": "PES1201800102"}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.820+00:00"}, "s": "I", "c": "NETWORK", "id": 22944, "ctx": "conn6", "msg": "Connection ended", "attr": {"remote": "172.19.0.4:35502", "connectionId": 6, "connectionCount": 5}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.846+00:00"}, "s": "I", "c": "NETWORK", "id": 22943, "ctx": "listener", "msg": "Connection accepted", "attr": {"remote": "172.19.0.5:37840", "connectionId": 7, "connectionCount": 6}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.847+00:00"}, "s": "I", "c": "NETWORK", "id": 51800, "ctx": "conn7", "msg": "client metadata", "attr": {"remote": "172.19.0.5:37840", "client": "conn7", "doc": {"driver": {"name": "PyMongo", "version": "3.11.3", "os": {"type": "Linux", "name": "Linux", "architecture": "x86_64", "version": "5.4.0-1037-aws", "platform": "CPython 3.9.2.final.0"}}}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.848+00:00"}, "s": "I", "c": "NETWORK", "id": 22943, "ctx": "listener", "msg": "Connection accepted", "attr": {"remote": "172.19.0.5:37842", "connectionId": 8, "connectionCount": 7}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.851+00:00"}, "s": "I", "c": "NETWORK", "id": 51800, "ctx": "conn8", "msg": "client metadata", "attr": {"remote": "172.19.0.5:37844", "client": "conn8", "doc": {"driver": {"name": "PyMongo", "version": "3.11.3", "os": {"type": "Linux", "name": "Linux", "architecture": "x86_64", "version": "5.4.0-1037-aws", "platform": "CPython 3.9.2.final.0"}}}}
pycode_2 | Inserted into the MongoDB database!
pycode_2 | Fetched from MongoDB: {"_id": ObjectId("6030aeecefd807bfb961bb"), "Name": "Vishruth", "SRN": "PES1201800102"}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.851+00:00"}, "s": "I", "c": "NETWORK", "id": 22943, "ctx": "listener", "msg": "Connection accepted", "attr": {"remote": "172.19.0.5:37844", "connectionId": 9, "connectionCount": 8}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:46.851+00:00"}, "s": "I", "c": "NETWORK", "id": 51800, "ctx": "conn9", "msg": "client metadata", "attr": {"remote": "172.19.0.5:37844", "client": "conn9", "doc": {"driver": {"name": "PyMongo", "version": "3.11.3", "os": {"type": "Linux", "name": "Linux", "architecture": "x86_64", "version": "5.4.0-1037-aws", "platform": "CPython 3.9.2.final.0"}}}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:47.288+00:00"}, "s": "I", "c": "NETWORK", "id": 20883, "ctx": "conn1", "msg": "Interrupted operation as its client disconnected", "attr": {"opId": 17}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:47.290+00:00"}, "s": "I", "c": "NETWORK", "id": 22944, "ctx": "conn1", "msg": "Connection ended", "attr": {"remote": "172.19.0.3:41122", "connectionId": 1, "connectionCount": 7}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:47.295+00:00"}, "s": "I", "c": "NETWORK", "id": 22944, "ctx": "conn2", "msg": "Connection ended", "attr": {"remote": "172.19.0.3:41124", "connectionId": 2, "connectionCount": 6}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:47.296+00:00"}, "s": "I", "c": "NETWORK", "id": 22944, "ctx": "conn3", "msg": "Connection ended", "attr": {"remote": "172.19.0.3:41126", "connectionId": 3, "connectionCount": 5}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:47.317+00:00"}, "s": "I", "c": "NETWORK", "id": 22944, "ctx": "conn5", "msg": "Connection ended", "attr": {"remote": "172.19.0.4:35500", "connectionId": 5, "connectionCount": 4}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:47.317+00:00"}, "s": "I", "c": "NETWORK", "id": 22944, "ctx": "conn4", "msg": "Connection ended", "attr": {"remote": "172.19.0.4:35498", "connectionId": 4, "connectionCount": 3}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:47.355+00:00"}, "s": "I", "c": "NETWORK", "id": 20883, "ctx": "conn7", "msg": "Interrupted operation as its client disconnected", "attr": {"opId": 30}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:47.355+00:00"}, "s": "I", "c": "NETWORK", "id": 22944, "ctx": "conn8", "msg": "Connection ended", "attr": {"remote": "172.19.0.5:37842", "connectionId": 8, "connectionCount": 2}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:47.355+00:00"}, "s": "I", "c": "NETWORK", "id": 22944, "ctx": "conn7", "msg": "Connection ended", "attr": {"remote": "172.19.0.5:37840", "connectionId": 7, "connectionCount": 1}}
mongodb_1 | {"t":{"sdate": "2021-02-20T06:41:47.355+00:00"}, "s": "I", "c": "NETWORK", "id": 22944, "ctx": "conn9", "msg": "Connection ended", "attr": {"remote": "172.19.0.5:37844", "connectionId": 9, "connectionCount": 0}}
task4_pycode_1 exited with code 0
task4_pycode_2 exited with code 0
task4_pycode_3 exited with code 0
```

5a.

```
root@ip-172-31-79-24: /home/PES1201800102
root@427ac9e038e6: /# cd home/ubuntu/
root@427ac9e038e6: /home/ubuntu# ls
Dockerfile details.txt sample.py
root@427ac9e038e6: /home/ubuntu# python sample.py
line 1: My name is Vishruth
line 2: My SRN is PES1201800102
line 3: I am from D section
line 4: I am in my 6th semester
root@427ac9e038e6: /home/ubuntu#
```