

CC Lab 3

Name: Manvith M Nayak
SRN: PES2UG23CS330

SS1:

```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330$ export SRN=PES2UG23CS330
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330$ echo "SRN: $SRN"
SRN: PES2UG23CS330
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330$ 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/
```

SS2:

```
https://docs.docker.com/get-started/
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330$ docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS
 NAMES
d1267c76bb98      portainer/portainer-ce   "/portainer"        3 days ago        Up 12 minutes     8000/tcp, 9443/tcp, 0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp
p_portainer        portainer/portainer-ce   "/portainer"        3 days ago        Up 12 minutes     8000/tcp, 9443/tcp, 0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330$ docker ps -a
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS
 NAMES
0baed948dd93      hello-world          "/hello"           2 minutes ago     Exited (0) 2 minutes ago
0f4340c0a05e      nginx:latest         "blissful_tharp"  26 hours ago     Created
a013a836abcd      e-comm-rabbitmq-inventory   "gunicorn --bind 0.0..."  26 hours ago     Exited (0) 23 hours ago
c3bc5c276fbb      e-comm-rabbitmq-checkout-2   "gunicorn --bind 0.0..."  26 hours ago     Exited (0) 23 hours ago
ebald6d9473d      e-comm-rabbitmq-checkout-1   "gunicorn --bind 0.0..."  26 hours ago     Exited (0) 23 hours ago
4e77f4f4d7a7      rabbitmq:3-management   "docker-entrypoint.s..."  26 hours ago     Exited (0) 23 hours ago
d1267c76bb98      portainer/portainer-ce   "/portainer"        3 days ago        Up 12 minutes     8000/tcp, 9443/tcp, 0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp
portainer          portainer                "/portainer"        3 days ago        Up 12 minutes     8000/tcp, 9443/tcp, 0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330$ docker images
I Info → U In Use
apache/spark:3.5.0          b7bd251f1d58      981MB      0B
confuentinc/cp-kafka:7.5.0    af34583c49f0      849MB      0B
confuentinc/cp-zookeeper:7.5.0 04bd40128a4e      849MB      0B
curlimages/curl:latest        9dcf90ad7bb5      24.2MB     0B
e-comm-rabbitmq-checkout-1:latest a52255f3e91c      136MB      0B
e-comm-rabbitmq-checkout-2:latest 406c04b8fec4      136MB      0B
e-comm-rabbitmq-inventory:latest 592db61ee6ce      136MB      0B
gcr.io/cadvisor/cadvisor:latest a31688ab1366      75.1MB     0B
grafana/grafana:latest        aa786575ad94      747MB      0B
hello-world:latest            1b44b5a3e06a      10.1kB     0B
nginx:latest                  5cdef4ac3335      161MB      0B
portainer/portainer-ce:latest 2622931a6f42      184MB      0B
prom/prometheus:latest        937690d77350      367MB      0B
rabbitmq:3-management         de912cbfb07f      252MB      0B
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330$ |
```

SS3:

```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330$ docker pull python:3.10-slim
3.10-slim: Pulling from library/python
0c8d55a45c0d: Already exists
690eaaffcf0e9: Pull complete
dd1977d485: Pull complete
63ebb7511fc1: Pull complete
Digest: sha256:218027ad8e5a6fb68245ccffcb8bcfa98d9891039bfedd53b1b4666dc48a4bb1
Status: Downloaded newer image for python:3.10-slim
docker.io/library/python:3.10-slim
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330$ docker images


| apache/spark:3.5.0                | b7bd251f1d58 | 981MB  | 0B |   |
|-----------------------------------|--------------|--------|----|---|
| confluentinc/cp-kafka:7.5.0       | af34583c49f0 | 849MB  | 0B |   |
| confluentinc/cp-zookeeper:7.5.0   | 04bd40128a4e | 849MB  | 0B |   |
| curlimages/curl:latest            | 9dcf90ad7bb5 | 24.2MB | 0B |   |
| e-comm-rabbitmq-checkout-1:latest | a52255f3e91c | 136MB  | 0B | U |
| e-comm-rabbitmq-checkout-2:latest | 406c04b8fec4 | 136MB  | 0B | U |
| e-comm-rabbitmq-inventory:latest  | 592db61ee6ce | 136MB  | 0B | U |
| gcr.io/cadvisor/advisor:latest    | a31688ab1366 | 75.1MB | 0B |   |
| grafana/grafana:latest            | aa786575ad94 | 747MB  | 0B |   |
| hello-world:latest                | 1b44b5a3e06a | 10.1kB | 0B | U |
| nginx:latest                      | 5cdef4ac3335 | 161MB  | 0B | U |
| portainer/portainer-ce:latest     | 2622931a6f42 | 184MB  | 0B | U |
| prom/prometheus:latest            | 937690d77350 | 367MB  | 0B |   |
| python:3.10-slim                  | 988b1bc80158 | 122MB  | 0B |   |
| rabbitmq:3-management             | de912cbfb07f | 252MB  | 0B | U |


manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330$
```

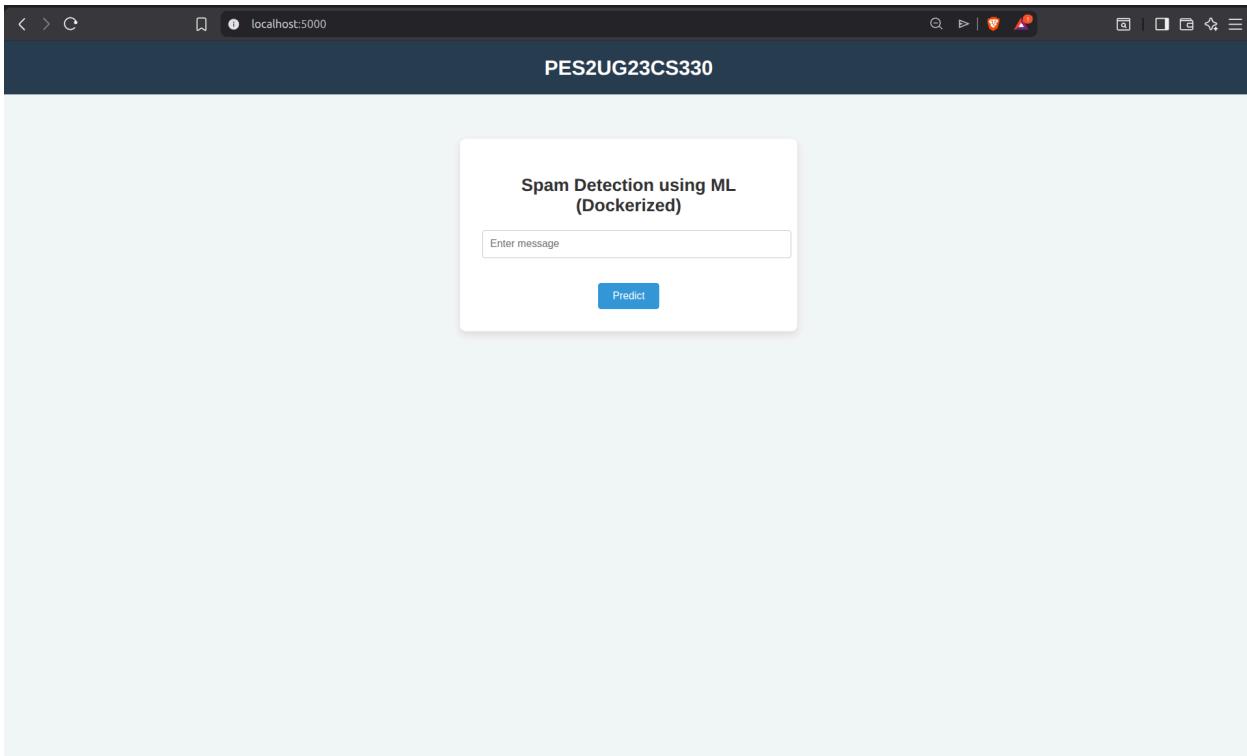
SS4:

```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker build -t spam-web-app-pes2u
g23cs330 .
[+] Building 14.5s (12/12) FINISHED
   => [internal] load build definition from Dockerfile
   => => transferring dockerfile: 278B
   => [internal] load metadata for docker.io/library/python:3.10-slim
   => [internal] load .dockerignore
   => => transferring context: 2B
   => CACHED [1/7] FROM docker.io/library/python:3.10-slim
   => [internal] load build context
   => => transferring context: 398.78kB
   => [2/7] WORKDIR /app
   => [3/7] COPY app.py /
   => [4/7] COPY spam classifier_model.pkl .
   => [5/7] COPY tfidf_vectorizer.pkl .
   => [6/7] COPY templates ./templates
   => [7/7] RUN pip install --no-cache-dir flask scikit-learn joblib
   => exporting to image
   => => exporting layers
   => => writing Image sha256:1fc654a1cca69d8d014957b73f797a4797d07af9a8d8552ce579ffb7c749373ff
   => => naming to docker.io/library/spam-web-app-pes2ug23cs330
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ |
```

SS5:

```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker run -d -p 5000:5000 spam-we
b.app-pes2ug23cs330
c2bfff093185437436407747e483f18e76cc7a5bd7622f5ac3f75c0f3ab09537
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker ps
CONTAINER ID        IMAGE               COMMAND             CREATED            STATUS              PORTS
NAMES
c2bfff093185      spam-web-app-pes2ug23cs330   "python app.py"   10 seconds ago    Up 9 seconds       0.0.0.0:5000->5000/tcp, [::]:5000->5000/tcp
inspiring_jepsen
d1267c76bb98      portainer/portainer-ce     "/portainer"      3 days ago        Up 35 minutes     8000/tcp, 9443/tcp, 0.0.0.0:9000->9000/tcp, [::]:900
0->9000/tcp
portainer
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ |
```

SS6:



SS7:

```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker logout
docker login
Removing login credentials for https://index.docker.io/v1/
Info - To sign in with credentials on the command line, use 'docker login -u <username>'

Your one-time device confirmation code is:
    to open your browser or submit your device code here: https://login.docker.com/activate
Waiting for authentication in the browser..

WARNING! Your credentials are stored unencrypted in '/home/manvith/.docker/config.json'.
Configure a credential helper to remove this warning. See
https://docs.docker.com/go/credential-store/

Login Succeeded
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ |
```

SS8:

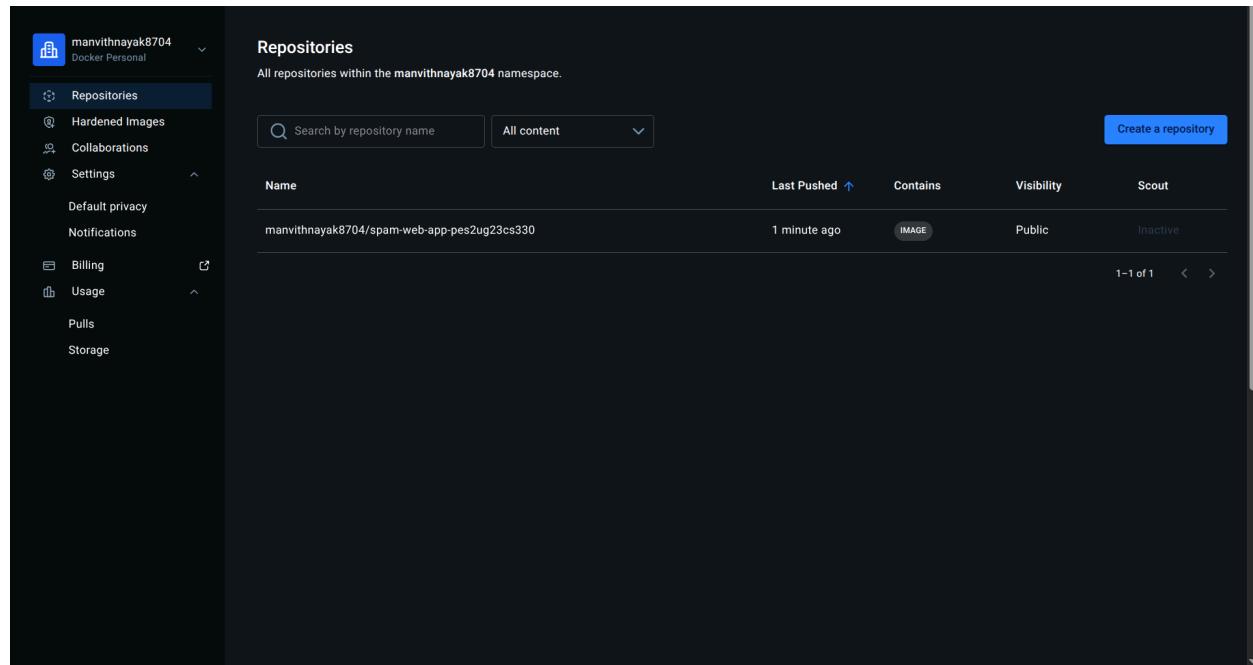
```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker images
  Info →   U In Use

apache/spark:3.5.0          b7bd251f1d58    981MB      0B
confluentinc/cp-kafka:7.5.0  af34583c49f0    849MB      0B
confluentinc/cp-zookeeper:7.5.0  04bd40128a4e    849MB      0B
curlimages/curl:latest       9dcf90ad7bb5    24.2MB     0B
e-comm-rabbitmq-checkout-1:latest  a52255f3e91c    136MB      0B
e-comm-rabbitmq-checkout-2:latest  406c04b8fec4    136MB      0B
e-comm-rabbitmq-inventory:latest  592db61ee6ce    136MB      0B
gcr.io/cadvisor/cadvisor:latest  a31688ab1366    75.1MB     0B
grafana/grafana:latest        aa786575ad94    747MB      0B
hello-world:latest           1b44b5a3e06a    10.1KB     0B
manvithnayak8704/spam-web-app-pes2ug23cs330:v1  1fc654a1cca6    381MB      0B
nginx:latest                 5cdef4ac3335    161MB      0B
portainer/portainer-ce:latest  2622931a6f42    184MB      0B
prom/prometheus:latest        937690d77350    367MB      0B
python:3.10-slim              988b1bc80158    122MB      0B
rabbitmq:3-management         de912cb0f07f    252MB      0B
spam-web-app-pes2ug23cs330:latest  1fc654a1cca6    381MB      0B
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$
```

SS9:

```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker push manvithnayak8704/spam-
web-app-pes2ug23cs330:v1
The push refers to repository [docker.io/manvithnayak8704/spam-web-app-pes2ug23cs330]
8227b6d10cc2: Pushed
10e414e89dec: Pushed
7db16b38a061: Pushed
b41178c8976f: Pushed
a2a0ae811b2f: Pushed
600c51a83da2: Pushed
bb2cb0bd6077: Mounted from library/python
9f0194fcc39b: Mounted from library/python
2cb59db770d1: Mounted from library/python
a8ff6fb8cbfd: Mounted from library/python
v1: digest: sha256:fa2ae9288307dae4662fdfda5f0777063551be19322a35742914f639add524d5 size: 2409
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$
```

SS10:



SS11:

```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker ps
CONTAINER ID IMAGE NAMES COMMAND CREATED STATUS PORTS
c2bfff093185 spam-web-app-pes2ug23cs330 "python app.py" 15 minutes ago Up 15 minutes 0.0.0.0:5000->5000/tcp, [::]:5000->5000/tcp
inspiring_jepsen
d1267c76bb98 portainer/portainer-ce "/portainer" 3 days ago Up 50 minutes 8000/tcp, 9443/tcp, 0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp
portainer
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker stop c2bfff093185
c2bfff093185
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker ps
CONTAINER ID IMAGE NAMES COMMAND CREATED STATUS PORTS
d1267c76bb98 portainer/portainer-ce "/portainer" 3 days ago Up 50 minutes 8000/tcp, 9443/tcp, 0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp
portainer
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$
```

SS12:

```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker ps -a
CONTAINER ID IMAGE NAMES COMMAND CREATED STATUS PORTS
c2bfff093185 spam-web-app-pes2ug23cs330 "python app.py" 16 minutes ago Exited (137) 40 seconds ago
inspiring_jepsen
0baed948dd93 hello-world "/hello" 41 minutes ago Exited (0) 41 minutes ago
blissful_tharp
0f4340c0a05e nginx:latest "/docker-entrypoint..." 26 hours ago Created
e-comm-rabbitmq-gateway-1
a013a836abcd e-comm-rabbitmq-inventory "gunicorn --bind 0.0..." 26 hours ago Exited (0) 24 hours ago
inventory
c3bc5c276fbb e-comm-rabbitmq-checkout-2 "gunicorn --bind 0.0..." 26 hours ago Exited (0) 24 hours ago
e-comm-rabbitmq-checkout-2-1
ebald6d9473d e-comm-rabbitmq-checkout-1 "gunicorn --bind 0.0..." 26 hours ago Exited (0) 24 hours ago
e-comm-rabbitmq-checkout-1-1
4e77f4f4d7a7 rabbitmq:3-management "docker-entrypoint.s..." 26 hours ago Exited (0) 24 hours ago
rabbitmq
d1267c76bb98 portainer/portainer-ce "/portainer" 3 days ago Up 51 minutes 8000/tcp, 9443/tcp, 0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp
portainer
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker rm ^C
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker rm c2bfff093185
c2bfff093185
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker ps -a
CONTAINER ID IMAGE NAMES COMMAND CREATED STATUS PORTS
0baed948dd93 hello-world "/hello" 42 minutes ago Exited (0) 42 minutes ago
blissful_tharp
0f4340c0a05e nginx:latest "/docker-entrypoint..." 26 hours ago Created
e-comm-rabbitmq-gateway-1
a013a836abcd e-comm-rabbitmq-inventory "gunicorn --bind 0.0..." 26 hours ago Exited (0) 24 hours ago
inventory
c3bc5c276fbb e-comm-rabbitmq-checkout-2 "gunicorn --bind 0.0..." 26 hours ago Exited (0) 24 hours ago
e-comm-rabbitmq-checkout-2-1
ebald6d9473d e-comm-rabbitmq-checkout-1 "gunicorn --bind 0.0..." 26 hours ago Exited (0) 24 hours ago
e-comm-rabbitmq-checkout-1-1
4e77f4f4d7a7 rabbitmq:3-management "docker-entrypoint.s..." 26 hours ago Exited (0) 24 hours ago
rabbitmq
d1267c76bb98 portainer/portainer-ce "/portainer" 3 days ago Up 51 minutes 8000/tcp, 9443/tcp, 0.0.0.0:9000->9000/tcp, [::]:9000->9000/tcp
portainer
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC Lab 3/PES2UG23CS330/ml-docker-pes2ug23cs330$
```

SS13:

```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC_Lab_3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker images
  Info - U In Use

apache/spark:3.5.0          b7bd251f1d58    981MB    0B
confluentinc/cp-kafka:7.5.0  af34583c49f0    849MB    0B
confluentinc/cp-zookeeper:7.5.0  04bd40128a4e    849MB    0B
curlimages/curl:latest       9dcf90ad7bb5    24.2MB   0B
e-comm-rabbitmq-checkout-1:latest  a52255f3e91c    136MB    0B
e-comm-rabbitmq-checkout-2:latest  406c04b8fec4    136MB    0B
e-comm-rabbitmq-inventory:latest  592db61e6ce    136MB    0B
gcr.io/cadvisor/cadvisor:latest  a31688ab1366    75.1MB   0B
grafana/grafana:latest        aa786575ad94    747MB    0B
hello-world:latest           1b44b5a3e06a    10.1KB   0B
manvithnayak8704/spam-web-app-pes2ug23cs330:v1  1fc654a1cca6    381MB    0B
nginx:latest                 5cdef4ac3335    161MB    0B
portainer/portainer-ce:latest  2622931a6f42    184MB    0B
prom/prometheus:latest        937690d77350    367MB    0B
python:3.10-slim              988b1bc80158    122MB    0B
rabbitmq:3-management         de912cbff07f    252MB    0B
spam-web-app-pes2ug23cs330:latest  1fc654a1cca6    381MB    0B
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC_Lab_3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker rmi spam-web-app-pes2ug23cs330
Untagged: spam-web-app-pes2ug23cs330:latest
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC_Lab_3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker rmi spam-web-app-pes2ug23cs330:latest
Error response from daemon: No such image: spam-web-app-pes2ug23cs330:latest
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC_Lab_3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker images
  Info - U In Use

apache/spark:3.5.0          b7bd251f1d58    981MB    0B
confluentinc/cp-kafka:7.5.0  af34583c49f0    849MB    0B
confluentinc/cp-zookeeper:7.5.0  04bd40128a4e    849MB    0B
curlimages/curl:latest       9dcf90ad7bb5    24.2MB   0B
e-comm-rabbitmq-checkout-1:latest  a52255f3e91c    136MB    0B
e-comm-rabbitmq-checkout-2:latest  406c04b8fec4    136MB    0B
e-comm-rabbitmq-inventory:latest  592db61e6ce    136MB    0B
gcr.io/cadvisor/cadvisor:latest  a31688ab1366    75.1MB   0B
grafana/grafana:latest        aa786575ad94    747MB    0B
hello-world:latest           1b44b5a3e06a    10.1KB   0B
manvithnayak8704/spam-web-app-pes2ug23cs330:v1  1fc654a1cca6    381MB    0B
nginx:latest                 5cdef4ac3335    161MB    0B
portainer/portainer-ce:latest  2622931a6f42    184MB    0B
prom/prometheus:latest        937690d77350    367MB    0B
python:3.10-slim              988b1bc80158    122MB    0B
rabbitmq:3-management         de912cbff07f    252MB    0B
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC_Lab_3/PES2UG23CS330/ml-docker-pes2ug23cs330$
```

SS14:

```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC_Lab_3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker rmi manvithnayak8704/spam-web-app-pes2ug23cs330:v1
Untagged: manvithnayak8704/spam-web-app-pes2ug23cs330:v1
Untagged: manvithnayak8704/spam-web-app-pes2ug23cs330@sha256:fa2ae9288307daef4662fdfda5f0777063551be19322a35742914f639add524d5
Deleted: sha256:1fc654a1cca698d014957b73f797d07af9a8d8552ce579ffbc749373ff
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC_Lab_3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker images
  Info - U In Use

apache/spark:3.5.0          b7bd251f1d58    981MB    0B
confluentinc/cp-kafka:7.5.0  af34583c49f0    849MB    0B
confluentinc/cp-zookeeper:7.5.0  04bd40128a4e    849MB    0B
curlimages/curl:latest       9dcf90ad7bb5    24.2MB   0B
e-comm-rabbitmq-checkout-1:latest  a52255f3e91c    136MB    0B
e-comm-rabbitmq-checkout-2:latest  406c04b8fec4    136MB    0B
e-comm-rabbitmq-inventory:latest  592db61e6ce    136MB    0B
gcr.io/cadvisor/cadvisor:latest  a31688ab1366    75.1MB   0B
grafana/grafana:latest        aa786575ad94    747MB    0B
hello-world:latest           1b44b5a3e06a    10.1KB   0B
manvithnayak8704/spam-web-app-pes2ug23cs330:v1  1fc654a1cca6    381MB    0B
nginx:latest                 5cdef4ac3335    161MB    0B
portainer/portainer-ce:latest  2622931a6f42    184MB    0B
prom/prometheus:latest        937690d77350    367MB    0B
python:3.10-slim              988b1bc80158    122MB    0B
rabbitmq:3-management         de912cbff07f    252MB    0B
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC_Lab_3/PES2UG23CS330/ml-docker-pes2ug23cs330$
```

PES2UG23CS330

Yes. The command 'docker image prune -a' deletes all unused Docker images in one go, including dangling and unreferenced images.

SS15:

```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC_Lab_3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker pull manvithnayak8704/spam-web-app-pes2ug23cs330:v1
v1: Pulling from manvithnayak8704/spam-web-app-pes2ug23cs330
0c8df55a45c0d: Already exists
690eafffcf0e9: Already exists
d0d1977db485: Already exists
63eb751fc1: Already exists
e38df857d749: Already exists
44627c93f128: Already exists
feaefc5b62c85: Already exists
99a6ef2384b5: Already exists
4a248b42bb89: Already exists
6de05886b3e8: Already exists
Digest: sha256:fazaee9288307dae4662fdfda5f0777063551be19322a35742914f639add524d5
Status: Downloaded newer image for manvithnayak8704/spam-web-app-pes2ug23cs330:v1
docker.io/manvithnayak8704/spam-web-app-pes2ug23cs330:v1
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC_Lab_3/PES2UG23CS330/ml-docker-pes2ug23cs330$ docker images
          U  Info -  U  In Use


|                                                |               |        |    |   |
|------------------------------------------------|---------------|--------|----|---|
| apache/spark:3.5.0                             | b7bd251fd58   | 981MB  | 0B |   |
| confluentinc/cp-kafka:7.5.0                    | af34583c49f0  | 849MB  | 0B |   |
| confluentinc/cp-zookeeper:7.5.0                | 04bd40128a4e  | 849MB  | 0B |   |
| curlimages/curl:latest                         | 9dcf190ad7bb5 | 24.2MB | 0B | U |
| e-comm-rabbitmq-checkout-1:latest              | a52255f3e91c  | 136MB  | 0B |   |
| e-comm-rabbitmq-checkout-2:latest              | 466c0468fec4  | 136MB  | 0B | U |
| e-comm-rabbitmq-inventory:latest               | 592db61e6cce  | 136MB  | 0B | U |
| gcr.io/cadvisor/cadvisor:latest                | a31688ab1366  | 75.1MB | 0B |   |
| grafana/grafana:latest                         | aa786575ad94  | 747MB  | 0B |   |
| hello-world:latest                             | 1b44b5a3e06a  | 10.1KB | 0B | U |
| manvithnayak8704/spam-web-app-pes2ug23cs330:v1 | 1fc654a1cc6   | 381MB  | 0B |   |
| nginx:latest                                   | 5cdef4ac3335  | 161MB  | 0B | U |
| portainer/portainer-ce:latest                  | 2622931a6f42  | 184MB  | 0B | U |
| prom/prometheus:latest                         | 937690d77350  | 367MB  | 0B |   |
| python:3.10-slim                               | 988b1bc80158  | 122MB  | 0B |   |
| rabbitmq:3-management                          | de912ccb0f07f | 252MB  | 0B | U |



```
manvith@manvith-ASUS-TUF-Gaming-A16-FA617XS-FA617XS:~/Downloads/CC_Lab_3/PES2UG23CS330/ml-docker-pes2ug23cs330$
```


```