

# Assisted Practice Project3-

## Problem 1

```
Microsoft Windows [Version 10.0.19045.3288]
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C:\Users\Kvsvivasankar>
C:\>mkdir project1
C:\>cd project1

G:\project1>git clone https://github.com/Anuj1990/Docker.git
Cloning into 'Docker'...
remote: Enumerating objects: 168, done.
remote: Counting objects: 100% (50/50), done.
remote: Compressing objects: 100% (12/12), done.
remote: Total 168 (delta 47), reused 33 (delta 33), pack-reused 118
Receiving objects: 100% (168/168), 83.36 KiB | 1.81 MiB/s, done.
Resolving deltas: 100% (71/71), done.

G:\project1>cd docker

G:\project1\docker>docker build -t phpcode .
[*] Building 1.5s (12/12) FINISHED                                docker:default
=> [internal] load build definition from Dockerfile
=> => transferring context: 57kB                                0.0s
=> [internal] load .dockerignore                                  0.0s
=> => transferring context: 2B                                    0.0s
=> [internal] load metadata for docker.io/library/ubuntu:latest 1.1s
=> [1/7] FROM docker.io/library/ubuntu:latest@sha256:0bcd47ffa3361afa981854fcabdc4577cd43cebb808cea2b1f33a3dd 0.0s
=> [internal] load build context                                0.1s
=> => transferring context: 153.37kB                             0.0s
=> CACHED [2/7] RUN apt-get update -y                          0.0s
=> CACHED [3/7] RUN apt-get install -y git curl apache2 php libapache2-mod-php php-mysql 0.0s
=> CACHED [4/7] RUN rm -rf /var/www/html/*                     0.0s
=> CACHED [5/7] ADD src /var/www/html/                         0.0s
=> CACHED [6/7] RUN a2enmod rewrite                             0.0s
=> CACHED [7/7] RUN chown -R www-data:www-data /var/www/html 0.0s
=> exporting to image                                           0.0s
=> => exporting layers                                           0.0s
=> => writing image sha256:6185fee710e968351beca32b551d6d7b62a1aa4b6e3f0293b8118aec34ebc7f7 0.0s
=> => naming to docker.io/library/phpcode                      0.0s

What's Next?
View summary of image vulnerabilities and recommendations + docker scout quickview

G:\project1\docker>docker images
REPOSITORY   TAG       IMAGE ID       CREATED        SIZE
phpcode      latest   6185fee710e9   5 minutes ago  279MB
dockerdemo   latest   c47fc91f2b4    30 minutes ago  511MB

G:\project1\docker>
```

## Problem 2

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19045.3288]
(c) Microsoft Corporation. All rights reserved.

C:\WINDOWS\system32>
C:\>cd project1

G:\project1>cd docker

G:\project1\docker>docker build -t phpcode .
[*] Building 2.5s (13/13) FINISHED                                docker:default
=> [internal] load .dockerignore                                  0.2s
=> => transferring context: 2B                                    0.2s
=> [internal] load build definition from Dockerfile              0.2s
=> => transferring context: 57kB                                  0.2s
=> [internal] load metadata for docker.io/library/ubuntu:latest 2.1s
=> [auth] library/ubuntu:pull token for registry-1.docker.io    0.0s
=> [1/7] FROM docker.io/library/ubuntu:latest@sha256:0bcd47ffa3361afa981854fcabdc4577cd43cebb808cea2b1f33a3dd 0.0s
=> [internal] load build context                                0.1s
=> => transferring context: 153.37kB                             0.1s
=> CACHED [2/7] RUN apt-get update -y                          0.0s
=> CACHED [3/7] RUN apt-get install -y git curl apache2 php libapache2-mod-php php-mysql 0.0s
=> CACHED [4/7] RUN rm -rf /var/www/html/*                     0.0s
=> CACHED [5/7] ADD src /var/www/html/                         0.0s
=> CACHED [6/7] RUN a2enmod rewrite                             0.0s
=> CACHED [7/7] RUN chown -R www-data:www-data /var/www/html 0.0s
=> exporting to image                                           0.0s
=> => exporting layers                                           0.0s
=> => writing image sha256:6185fee710e968351beca32b551d6d7b62a1aa4b6e3f0293b8118aec34ebc7f7 0.0s
=> => naming to docker.io/library/phpcode                      0.0s

What's Next?
View summary of image vulnerabilities and recommendations + docker scout quickview

G:\project1\docker>docker image

Usage:  docker image COMMAND

Manage images

Commands:
  build      Build an image from a Dockerfile
  history    Show the history of an image
  import     Import the contents from a tarball to create a filesystem image
  inspect    Display detailed information on one or more images
  load       Load an image from a tar archive or STDIN
  ls         List images
  prune      Remove unused images
  pull       Download an image from a registry
  push       Upload an image to a registry
```

```

Administrator: Command Prompt

Commands:
  build      Build an image from a Dockerfile
  history    Show the history of an image
  inspect    Inspect the contents from a tarball to create a filesystem image
  load       Display detailed information on one or more images
  load       Load an image from a tar archive or STDIN
  ls         List images
  prune      Remove unused images
  pull       Download an image from a registry
  push       Upload an image to a registry
  rm         Remove one or more images
  save       Save one or more images to a tar archive (streamed to STDOUT by default)
  tag        Create a tag TARGET_IMAGE that refers to SOURCE_IMAGE

Run 'docker image COMMAND --help' for more information on a command.

G:\project\1\docker>docker images
REPOSITORY              TAG         IMAGE ID      CREATED       SIZE
my-morning-spring-app   latest      b2f3566a2989  25 minutes ago  319MB
my-morning-spring-app   latest      b2f3566a2989  25 minutes ago  319MB
hivasankokkoppaapp/my-phpppp   latest      6185fee710e9  18 hours ago   276MB
my-phpppp               latest      6185fee710e9  18 hours ago   276MB
phpcode                 latest      6185fee710e9  18 hours ago   276MB
dockerdemo              latest      c47ffc91f2b4  18 hours ago   511MB

[*] Building 2.1s (12/12) FINISHED                                docker:default
=> [internal] build build definition from Dockerfile
=> => transferring dockerfile: 574B
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [1/7] FROM docker.io/library/ubuntu:latest@sha256:0bcde47fffa3361afa981854fcabc4d577cd43cebb808cea2bf33a3dd
=> [internal] load build context
=> => transferring context: 323B
=> CACHED [2/7] RUN apt-get update -y
=> CACHED [3/7] RUN apt-get install -y git curl apache2 php libapache2-mod-php php-mysql
=> CACHED [4/7] RUN rm -rf /var/www/html/*
=> CACHED [5/7] ADD src /var/www/html/
=> CACHED [6/7] RUN a2enmod rewrite
=> CACHED [7/7] RUN chown -R www-data:www-data /var/www/html
=> exporting to image
=> => transferring layers
=> => writing image sha256:6185fee710e969351beca32b551d6d7b621aa4b6e3f6293b8118aec34ebc7f7
=> => naming to docker.io/library/docker_python
=> =>

What's Next?
View summary of image vulnerabilities and recommendations + docker scout quickview

G:\project\1\docker>docker run -d --name docker_pythonContainers -- 80:80 -p docker_python

```

```

C:\Program Files\Git\cmd>Administrator: Command Prompt

What's Next?
View summary of image vulnerabilities and recommendations + docker scout quickview

G:\project1\docker>docker run -d --name docker_pythonContainer -p 80:80 docker_python
8894aa61fa18a26ab89613df2ae049b8dfb845cc754aa354eb4c350802487627
docker: Error response from daemon: driver failed programming external connectivity on endpoint docker_pythonContainer (47b21b468ccfbce1384cc739fdcc8dd530508e00973884c03e1c3b7aa7aaf): Bind for 0.0.0.0:80 failed: port is already allocated.

G:\project1\docker>docker run -d --name docker_python1 -p 80:80 docker_python
45423883cd1d330c21db6fec09a0478af5f130c74229a805e92d814e303b1f1e
docker: Error response from daemon: driver failed programming external connectivity on endpoint docker_python1 (a6ec48a473627ab64faec49b908c755317f4c8e2ac492841d990b92fe5681349): Bind for 0.0.0.0:80 failed: port is already allocated.

G:\project1\docker>docker run -d --name docker_python1 -p 80:80 docker_python
docker: Error response from daemon: Conflict. The container name "/docker_python1" is already in use by container "45423883cd1d330c21db6fec09a0478af5f130c74229a805e92d814e303b1f1e". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.

G:\project1\docker>docker images
REPOSITORY          TAG         IMAGE ID      CREATED       SIZE
my-morning-spring-app latest      b2f3566a2989 29 minutes ago 319MB
my-morning-spring-app latest      b2f3566a2989 29 minutes ago 319MB
phpcode             latest      6185fee710e9 18 hours ago 276MB
sivasankarkopparapu/my-phpapp latest      6185fee710e9 18 hours ago 276MB
docker_python       latest      6185fee710e9 18 hours ago 276MB
my-phpapp           latest      6185fee710e9 18 hours ago 276MB
dockerdemo          latest      c47ffc91f2b4 18 hours ago 511MB

G:\project1\docker>docker stop 6185fee710e9
Error response from daemon: No such container: 6185fee710e9

G:\project1\docker>docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS      PORTS      NAMES
c34979bdf6a5  my-phpapp "/usr/sbin/apache2 -..." 4 hours ago Up 3 hours (Paused) 0.0.0.0:80->80/tcp MyphpContainer

G:\project1\docker>docker stop c34979bdf6a5
c34979bdf6a5

G:\project1\docker>docker run -d --name docker_python1 -p 80:80 docker_python
docker: Error response from daemon: Conflict. The container name "/docker_python1" is already in use by container "45423883cd1d330c21db6fec09a0478af5f130c74229a805e92d814e303b1f1e". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.

G:\project1\docker>docker run -d --name docker_pythonC -p 80:80 docker_python
433c63111adcb9c8e5923ccf3cf8895b8a47e97765e7b093bebf3b3bf20cbff

G:\project1\docker>docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS      PORTS      NAMES
c3363111adcb9c8e5923ccf3cf8895b8a47e97765e7b093bebf3b3bf20cbff docker_pythonC

```

```
Administrator: Command Prompt
Error response from daemon: No such container: 6185fee710e9

G:\project1\docker>docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
c34979bdf6a5   my-phpapp "/usr/sbin/apache2 -..." 4 hours ago Up 3 hours (Paused) 0.0.0.0:80->80/tcp MyPhpContainer

G:\project1\docker>docker stop c34979bdf6a5
c34979bdf6a5

G:\project1\docker>docker run -d --name docker_python1 -p 80:80 docker_python
docker: Error response from daemon: Conflict. The container name "/docker_python1" is already in use by container "45423083cd1d330c21db6fec09a0478af5f130c74229a805e92d814e303b1f1e". You have to remove (or rename) that container to be able to reuse that name.
See 'docker run --help'.

G:\project1\docker>docker run -d --name docker_pythonC -p 80:80 docker_python
8433c63111adcb9c8e5923ccf3cf8895b8a47e97765e7b093bebf3b8bf20cbff

G:\project1\docker>docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
8433c63111ad   docker_python "/usr/sbin/apache2 -..." 58 seconds ago Up 57 seconds 0.0.0.0:80->80/tcp docker_pythonC

G:\project1\docker>docker login -u sivasankarkopparapu
password:
Login Succeeded

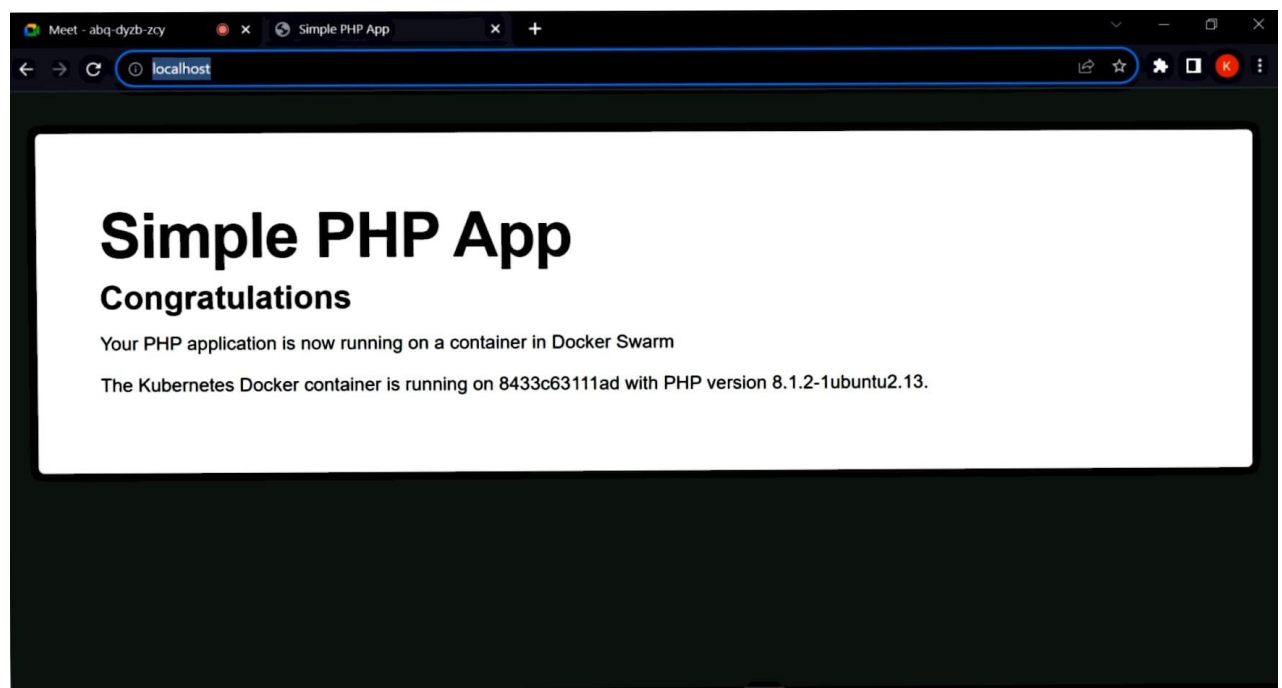
Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

G:\project1\docker>docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED    STATUS    PORTS    NAMES
8433c63111ad   docker_python "/usr/sbin/apache2 -..." 2 minutes ago Up 2 minutes 0.0.0.0:80->80/tcp docker_pythonC

G:\project1\docker>docker tag docker_python sivasankarkopparapu/docker_python

G:\project1\docker>docker push sivasankarkopparapu/docker_python
Using default tag: latest
The push refers to repository [docker.io/sivasankarkopparapu/docker_python]
8e058c4802: Mounted from sivasankarkopparapu/my-phpapp
8e058073ee6: Mounted from sivasankarkopparapu/my-phpapp
d66f025b46a: Mounted from sivasankarkopparapu/my-phpapp
fb97507c656: Mounted from sivasankarkopparapu/my-phpapp
8e0c3b309d0: Mounted from sivasankarkopparapu/my-phpapp
80c6f81d802: Mounted from sivasankarkopparapu/my-phpapp
dc56ae1f84: Mounted from sivasankarkopparapu/my-phpapp
Digest: sha256:c59077bcf992c50af6d0dfc586d66c74de50f61c4e7678b73d0aaa57db8da84b size: 1785

G:\project1\docker>
```



## Problem 3

```
esl Administrator: Command Prompt
Microsoft Windows [Version 10.0.19045.3208]
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C:\WINDOWS\system32>

F:\>mrngproject1
'mrngproject1' is not recognized as an internal or external command,
operable program or batch file.

F:\>cd mrngproject1

F:\mrngproject1>cd docker

F:\mrngproject1\docker>docker login -u sivasankarkopparapu
Password:
Login Succeeded

Logging in with your password grants your terminal complete access to your account.
For better security, log in with a limited-privilege personal access token. Learn more at https://docs.docker.com/go/access-tokens/

F:\mrngproject1\docker>docker swarm init
Error response from daemon: This node is already part of a swarm. Use "docker swarm leave" to leave this swarm and join another one.

F:\mrngproject1\docker>docker swarm leave
Error response from daemon: You are attempting to leave the swarm on a node that is participating as a manager. Removing the last manager erases all current state of the swarm. Use '--force' to ignore this message.

F:\mrngproject1\docker>docker swarm leave --force
Node left the swarm.

F:\mrngproject1\docker>docker swarm init
Swarm initialized: current node (vbkeczfs2q491dbg8azyghden) is now a manager.

To add a worker to this swarm, run the following command:

    docker swarm join --token SWMTKN-1-0atbp90vr14z3e3484ukp32kaerk0zhjnf8co9gztv3cavlme-auk5jh74vuidtdtqjaquy3ogw 192.168.65.4:2377

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.

F:\mrngproject1\docker>docker service create -p 80:80 --name webserver my-phpapp
Image my-phpapp:latest could not be accessed on a registry to record
its digest. Each node will access my-phpapp:latest independently,
possibly leading to different nodes running different
versions of the image.

v57rq211jgy474mMuf1foftj
Overall progress: 1 out of 1 tasks
v/1: running [=====]
Verify: Service converged
```

```
esl Administrator: Command Prompt
v/1: running [=====]
Verify: Service converged

F:\mrngproject1\docker>docker service ls
ID NAME MODE REPLICAS IMAGE PORTS
v57rq211jgy4 webserver replicated 1/1 my-phpapp:latest *:80->80/tcp

F:\mrngproject1\docker>docker node ls
ID HOSTNAME STATUS AVAILABILITY MANAGER STATUS ENGINE VERSION
vbkeczfs2q491dbg8azyghden * docker-desktop Ready Active Leader 24.0.2

F:\mrngproject1\docker>docker service scale=2 webserver
Usage: docker service COMMAND

Manage Swarm services

Commands:
  create      Create a new service
  inspect     Display detailed information on one or more services
  logs       Fetch the logs of a service or task
  ls         List services
  ps         List the tasks of one or more services
  rm         Remove one or more services
  rollback   Revert changes to a service's configuration
  scale      Scale one or multiple replicated services
  update     Update a service

Run 'docker service COMMAND --help' for more information on a command.

F:\mrngproject1\docker>docker service ls
ID NAME MODE REPLICAS IMAGE PORTS
v57rq211jgy4 webserver replicated 1/1 my-phpapp:latest *:80->80/tcp

F:\mrngproject1\docker>docker service scale=2 webserver
Usage: docker service COMMAND

Manage Swarm services

Commands:
  create      Create a new service
  inspect     Display detailed information on one or more services
  logs       Fetch the logs of a service or task
  ls         List services
  ps         List the tasks of one or more services
  rm         Remove one or more services
  rollback   Revert changes to a service's configuration
  scale      Scale one or multiple replicated services
  update     Update a service
```

```

Administrator: Command Prompt
inspect    Display detailed information on one or more services
logs       Fetch the logs of a service or task
ls         List services
ps         List the tasks of one or more services
rm         Remove one or more services
rollback   Revert changes to a service's configuration
scale      Scale one or multiple replicated services
update     Update a service

Run 'docker service COMMAND --help' for more information on a command.

F:\wmgproject1\docker>docker service scale=2 webserver

Usage:  docker service COMMAND

Manage Swarm services

Commands:
create   Create a new service
inspect  Display detailed information on one or more services
logs     Fetch the logs of a service or task
ls       List services
ps       List the tasks of one or more services
rm       Remove one or more services
rollback Revert changes to a service's configuration
scale    Scale one or multiple replicated services
update   Update a service

Run 'docker service COMMAND --help' for more information on a command.

F:\wmgproject1\docker>docker service ls
ID                NAME      MODE      REPLICAS  IMAGE          PORTS
v57rq211jgy4     webserver replicated 1/1        my-phpapp:latest *:80->80/tcp

F:\wmgproject1\docker>docker node ls
ID                HOSTNAME    STATUS    AVAILABILITY  MANAGER STATUS  ENGINE VERSION
vbkeczfs2q491dbg8azyghden * docker-desktop Ready        Active                               Leader          24.0.2

F:\wmgproject1\docker>docker service scale webserver=2
webserver scaled to 2
Overall progress: 2 out of 2 tasks
1/2: running [=====]
2/2: running [=====]
Verify: Service converged

F:\wmgproject1\docker>docker service ls
ID                NAME      MODE      REPLICAS  IMAGE          PORTS
v57rq211jgy4     webserver replicated 2/2        my-phpapp:latest *:80->80/tcp

F:\wmgproject1\docker>docker node ls

```

```

Administrator: Command Prompt
Manage Swarm services

Commands:
create   Create a new service
inspect  Display detailed information on one or more services
logs     Fetch the logs of a service or task
ls       List services
ps       List the tasks of one or more services
rm       Remove one or more services
rollback Revert changes to a service's configuration
scale    Scale one or multiple replicated services
update   Update a service

Run 'docker service COMMAND --help' for more information on a command.

F:\wmgproject1\docker>docker service ls
ID                NAME      MODE      REPLICAS  IMAGE          PORTS
v57rq211jgy4     webserver replicated 1/1        my-phpapp:latest *:80->80/tcp

F:\wmgproject1\docker>docker node ls
ID                HOSTNAME    STATUS    AVAILABILITY  MANAGER STATUS  ENGINE VERSION
vbkeczfs2q491dbg8azyghden * docker-desktop Ready        Active                               Leader          24.0.2

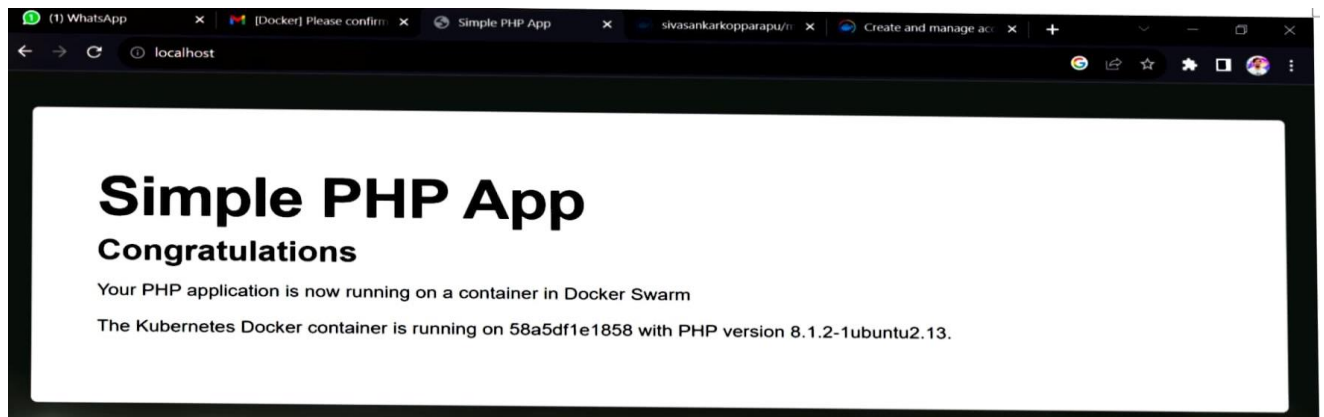
F:\wmgproject1\docker>docker service scale webserver=2
webserver scaled to 2
Overall progress: 2 out of 2 tasks
1/2: running [=====]
2/2: running [=====]
Verify: Service converged

F:\wmgproject1\docker>docker service ls
ID                NAME      MODE      REPLICAS  IMAGE          PORTS
v57rq211jgy4     webserver replicated 2/2        my-phpapp:latest *:80->80/tcp

F:\wmgproject1\docker>docker node ls
ID                HOSTNAME    STATUS    AVAILABILITY  MANAGER STATUS  ENGINE VERSION
vbkeczfs2q491dbg8azyghden * docker-desktop Ready        Active                               Leader          24.0.2

F:\wmgproject1\docker>_

```



## Problem 4

```
Administrator: Command Prompt

F:\vnmproject1\docker>docker swarm leave --force
Node left the swarm.

F:\vnmproject1\docker>docker swarm init
Swarm initialized: current node (nv3dyaagp5r3bhghf1d018) is now a manager.

To add a worker to this swarm, run the following command:

    docker swarm join --token SWMTKN-1-5aeluhf9eg7es85qawibql90jdjtxu4838ugm6jrdfeili18-1ysuc418pfz22e5wt52kvdpx 192.168.65.4:2377

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.

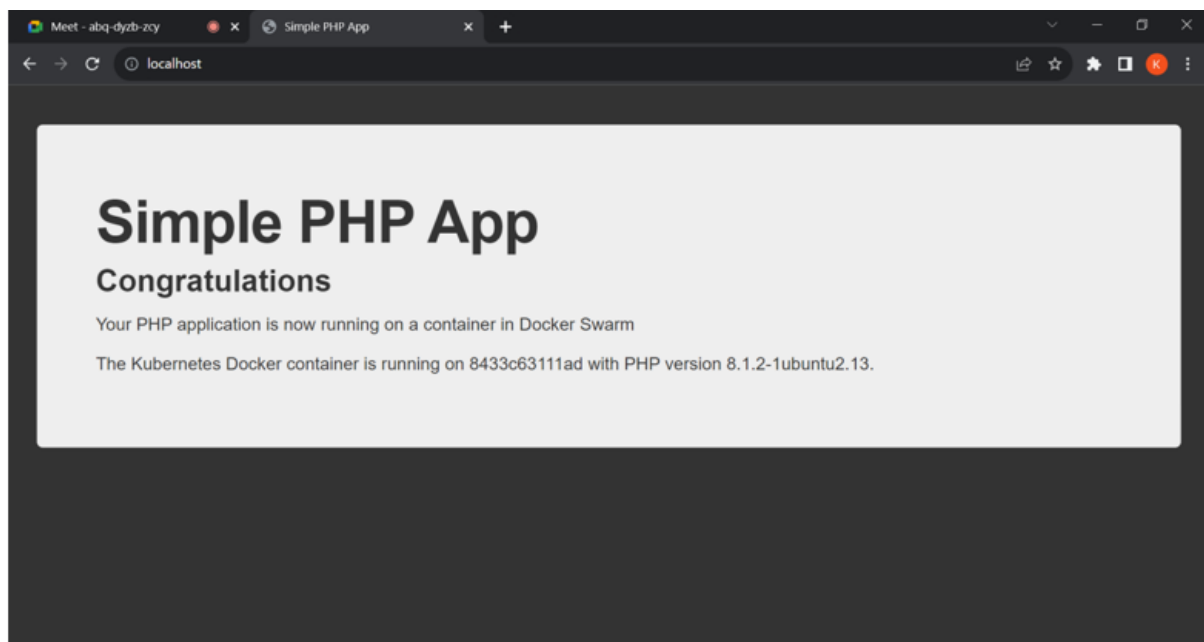
F:\vnmproject1\docker>docker service create -p 80:80 --name webserver my-phpapp
image my-phpapp:latest could not be accessed on a registry to record
its digest. Each node will access my-phpapp:latest independently,
possibly leading to different nodes running different
versions of the image.
lg7t2ct9kz0hnedutqoh2oat
Overall progress: 1 out of 1 tasks
1/1: running [=====]
verify: Service converged

F:\vnmproject1\docker>docker service ls
ID                NAME      MODE     REPLICAS  IMAGE       PORTS
lg7t2ct9kz0h      webserver replicated 1/1         my-phpapp:latest  *:80->80/tcp

F:\vnmproject1\docker>docker service scale webserver=3
webserver scaled to 3
Overall progress: 3 out of 3 tasks
1/3: running [=====]
2/3: running [=====]
3/3: running [=====]
verify: Service converged

F:\vnmproject1\docker>docker service ls
ID                NAME      MODE     REPLICAS  IMAGE       PORTS
lg7t2ct9kz0h      webserver replicated 3/3         my-phpapp:latest  *:80->80/tcp

F:\vnmproject1\docker>
```



## Problem 5



```

ID            NAME            PORTS            IMAGE            NODE            DESIRED STATE    CURRENT STATE    ERROR
-----
yir9ubm2hdad  myclusterdemo1.1  myimage:latest   ip-172-31-90-235  Shutdown        Rejected 17 seconds ago    "No such i
image: myimage:latest"
kk8be0am1se   myclusterdemo.1   myimage:latest   ip-172-31-90-235  Shutdown        Rejected 22 seconds ago    "No such i
image: myimage:latest"
wjrtt2fak2w   myclusterdemo.2   myimage:latest   ip-172-31-90-235  Ready           Rejected 2 seconds ago     "No such i
image: myimage:latest"
tno07qjb0c0a  myclusterdemo.2   myimage:latest   ip-172-31-90-235  Shutdown        Rejected 7 seconds ago     "No such i
image: myimage:latest"
rk1torr9p5j2  myclusterdemo.2   myimage:latest   ip-172-31-90-235  Shutdown        Rejected 12 seconds ago    "No such i
image: myimage:latest"
antmp8k1ckwu  myclusterdemo.2   myimage:latest   ip-172-31-90-235  Shutdown        Rejected 17 seconds ago    "No such i
image: myimage:latest"
z9dq0x3a0q7u  myclusterdemo.2   myimage:latest   ip-172-31-90-235  Shutdown        Rejected 22 seconds ago    "No such i
image: myimage:latest"

ubuntu@ip-172-31-90-235:~$ sudo docker service ps myclusterdemo1
ID            NAME            PORTS            IMAGE            NODE            DESIRED STATE    CURRENT STATE    ERROR
-----
yir9ubm2hdad  myclusterdemo1.1  myimage:latest   ip-172-31-90-235  Shutdown        Rejected 2 seconds ago    "No such
image: myimage:latest"
ny49ejy8lzj6  myclusterdemo1.1  myimage:latest   ip-172-31-90-235  Shutdown        Rejected 7 seconds ago    "No such
image: myimage:latest"
kcz0hsxzhtc   myclusterdemo1.1  myimage:latest   ip-172-31-90-235  Shutdown        Rejected 12 seconds ago    "No such
image: myimage:latest"
vdc7qwf3ov9s  myclusterdemo1.1  myimage:latest   ip-172-31-90-235  Shutdown        Rejected 17 seconds ago    "No such
image: myimage:latest"
kghf9ggrmut   myclusterdemo1.1  myimage:latest   ip-172-31-90-235  Shutdown        Rejected 22 seconds ago    "No such
image: myimage:latest"
s457pmdhazl1  myclusterdemo1.2  myimage:latest   ip-172-31-90-235  Ready           Rejected 2 seconds ago     "No such
image: myimage:latest"
7ofhj0fa2yqn  myclusterdemo1.2  myimage:latest   ip-172-31-90-235  Shutdown        Rejected 7 seconds ago     "No such
image: myimage:latest"
agc0vcl0mef   myclusterdemo1.2  myimage:latest   ip-172-31-90-235  Shutdown        Rejected 12 seconds ago    "No such
image: myimage:latest"
lqzj1keeqrd0  myclusterdemo1.2  myimage:latest   ip-172-31-90-235  Shutdown        Rejected 17 seconds ago    "No such
image: myimage:latest"
rwe4ubccz0k   myclusterdemo1.2  myimage:latest   ip-172-31-90-235  Shutdown        Rejected 22 seconds ago    "No such
image: myimage:latest"
ubuntu@ip-172-31-90-235:~$

```

```

64 bytes from master (172.31.90.235): icmp_seq=2 ttl=64 time=0.040 ms
64 bytes from master (172.31.90.235): icmp_seq=3 ttl=64 time=0.051 ms
64 bytes from master (172.31.90.235): icmp_seq=4 ttl=64 time=0.040 ms
64 bytes from master (172.31.90.235): icmp_seq=5 ttl=64 time=0.039 ms
64 bytes from master (172.31.90.235): icmp_seq=6 ttl=64 time=0.040 ms
64 bytes from master (172.31.90.235): icmp_seq=7 ttl=64 time=0.039 ms
64 bytes from master (172.31.90.235): icmp_seq=8 ttl=64 time=0.040 ms
64 bytes from master (172.31.90.235): icmp_seq=9 ttl=64 time=0.040 ms
64 bytes from master (172.31.90.235): icmp_seq=10 ttl=64 time=0.043 ms

--- master ping statistics ---
10 packets transmitted, 10 received, 0% packet loss, time 9216ms
rtt min/avg/max/mdev = 0.039/0.041/0.051/0.003 ms
ubuntu@ip-172-31-90-235:~$ sudo docker swarm init
Swarm initialized: current node (z0nglu7yebp5z5ez6bv0x03um) is now a manager.

To add a worker to this swarm, run the following command:

    docker swarm join --token SWMTKN-1-02c0vyoytsf550t7lqet46hfocfvtdv5rvf9y5lgh0h0ebx7d-acb1arddk179t6x7uuxw6Sh 172.31.90.235:2377

To add a manager to this swarm, run 'docker swarm join-token manager' and follow the instructions.

ubuntu@ip-172-31-90-235:~$ sudo docker node ls
ID                HOSTNAME        STATUS    AVAILABILITY    MANAGER STATUS    ENGINE VERSION
z0nglu7yebp5z5ez6bv0x03um *  ip-172-31-90-235  Ready     Active           Leader             20.10.18
ubuntu@ip-172-31-90-235:~$ sudo docker service create --name myclusterdemo --publish 8080:8080 --replicas 2 myimage
image myimage:latest could not be accessed on a registry to record
its digest. Each node will access myimage:latest independently,
possibly leading to different nodes running different
versions of the image.
yxcee70zckrjelqapl083wsg0
overall progress: 0 out of 2 tasks
1/2: No such image: myimage:latest
2/2: No such image: myimage:latest

```

## Problem 6

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Status

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Build #2 (Sep 07, 2022, 10:30:37 PM)

Keep this build forever

Add description

Started 49 sec ago

Took 0.24 sec

No changes

Started by user admin (2 times)

Revision: 32324201282c9f39ac4f0aa78911122ceb3149

Repository: <https://github.com/Morishi07/AWSswarm-git>

refs/remotes/origin/master

```
ubuntu@ip-172-31-82-214:~$  
CPU: 39.478s  
Group: /system.slice/jenkins.service  
-6736 /usr/bin/java -Djava.awt.headless=true -jar /usr/share/java/jenkins.war --webroot=/var/cache/jenkins/war --httpPort=8080  
Oct 07 09:59:08 ip-172-31-82-214 jenkins[6736]: This may also be found at: /var/lib/jenkins/secrets/initialAdminPassword  
Oct 07 09:59:08 ip-172-31-82-214 jenkins[6736]: *****  
Oct 07 09:59:08 ip-172-31-82-214 jenkins[6736]: *****  
Oct 07 09:59:08 ip-172-31-82-214 jenkins[6736]: *****  
Oct 07 09:59:37 ip-172-31-82-214 jenkins[6736]: 2022-10-07 09:59:37.974+0000 [id=29] INFO jenkins.InitReactorRunner$1#onAttained: Completed initialization  
Oct 07 09:59:38 ip-172-31-82-214 jenkins[6736]: 2022-10-07 09:59:38.980+0000 [id=22] INFO hudson.lifecycle.Lifecycle#onReady: Jenkins is fully  
Oct 07 09:59:38 ip-172-31-82-214 systemd[1]: Started Jenkins Continuous Integration Server.  
Oct 07 09:59:38 ip-172-31-82-214 jenkins[6736]: 2022-10-07 09:59:38.176+0000 [id=44] INFO h.a.DownloadService$Downloadable#load: Obtained the  
Oct 07 09:59:38 ip-172-31-82-214 jenkins[6736]: 2022-10-07 09:59:38.177+0000 [id=44] INFO hudson.util.Retrier#start: Performed the action check  
Oct 07 09:59:38 ip-172-31-82-214 jenkins[6736]: 2022-10-07 09:59:38.193+0000 [id=44] INFO hudson.model.AsyncPeriodicWork$lambda$doRun$1: Finished  
  
[lines 1-20/20 (END)]  
ubuntu@ip-172-31-82-214:~$ sudo service jenkins start  
ubuntu@ip-172-31-82-214:~$ sudo cat /var/lib/jenkins/secrets/initialAdminPassword  
5767efea05844f500829261d3204b10f  
ubuntu@ip-172-31-82-214:~$  
ubuntu@ip-172-31-82-214:~$ sudo chmod 777 /var/run/docker.sock  
ubuntu@ip-172-31-82-214:~$
```