# ANEESH N A PES1UG20CS050 A2-B

1

```
And analysis of the Docker Institution appears to be working correctly.

To generate this message, Docker took the following steps:

1. The bocker client contacted the Docker daemon.

2. The Docker client contacted the Docker daemon.

3. The Docker daemon pulled the Thelloworld' image from the Docker Hub.

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—1:t 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-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com/get-ins/docker.com
```

```
# Please edit the object below. Lines beginning with a '#' will be ignored,
# and an empty file will abort the edit. If an error occurs while saving this file will be
# reopened with the relevant failures.
# soplorsion: apps/vi
kind: Deployment
metadata:
## amountations:
## deployment importance in the relevant failures in the relevant failures
```

```
deployment.apps/pestug20cs050 rolled back

# I w # Tuefeb21140545 # # # 609%

# Please edit the object below. Lines beginning with a '#' will be ignored,
# and an entry file will abort the edit. If an error occurs while saving this file will be
# reopened with the relevant failures.
# reopened with the relevant f
```

```
Aborathra@pes1ug20cs050:-5 kubectl get pod

AMME

Beslug20cs050:-59cc57fd7-spfe

RADY

STATUS

RESTARTS AGE

Beslug20cs050-59cc57fd7-spfe

RADY

Beslug20cs050-59cc57fd7-spfe

RADY

STATUS

RESTARTS AGE

Beslug20cs050-59cc57fd7-spfe

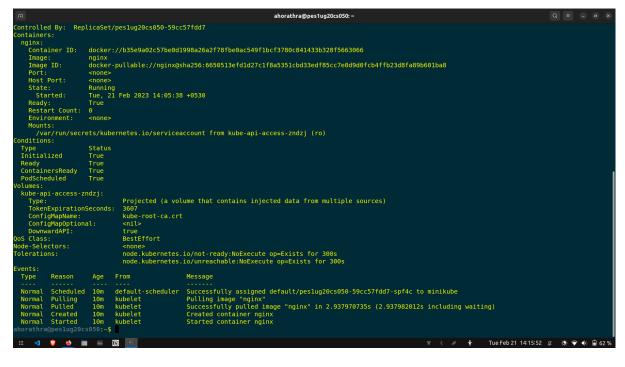
RADY

Beslug20cs050-59cc57fd7-spfe

RADY

R
```

# ANEESH N A PES1UG20CS050 A2-B



```
metadata:
    creationTimestamp: null
labels:
    app: nginx
spec:
    containers:
    image: nginx:1.22
    imagePullPolicy: IfNotPresent
    name: nginx
    ports:
    - containerPort: 80
        protocol: TCP
    resources: ()
    terminationMessagePath: /dev/termination-log
    terminationMessagePolicy: File
    dnsPolicy: ClusterFirst
    restartPolicy: Always
    schedulerMame: default-scheduler
    securityContext: {}
    terminationGracePeriodSeconds: 30
tus:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ahorathra@pes1ug20cs050: ~
securitycontex.
terminationGracePeriodSeconds: 30
status:
availableReplicas: 3
conditions:
lastTransitionTime: "2023-02-21T11:29:582"
lastUpdateTime: "2023-02-21T11:30:122"
message: ReplicaSet "nginx-deployment-peslug20cs050-8cf4bf97" has successfully
progressed.
reason: NewReplicaSetAvailable
status: "True"
type: Progressing
lastTransitionTime: "2023-02-21T11:37:072"
lastUpdateTime: "2023-02-21T11:37:072"
message: Deployment has minimum availability.
reason: MinimumReplicasAvailable
status: "True"
type: Available
observedGeneration: 2
readyReplicas: 3
replicas: 3
updatedReplicas: 3
ahorathra@peslug20cs050:-$
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tue Feb 21 17:08:48 🙊
```

## 5

```
eslug20cs050:~$ kubectl get pod
AME READY STATUS
ginx-deployment-peslug20cs050-8cf4bf97-562dc 1/1 Runnin
ginx-deployment-peslug20cs050-8cf4bf97-562dc 1/1 Runnin
ginx-deployment-peslug20cs050-8cf4bf97-mfscf 1/1 Runnin
lorathra@peslug20cs050:-$ kubectl delete pod nginx-deployment
dd "nginx-deployment-peslug20cs050-8cf4bf97-562dc" deleted
lorathra@peslug20cs050:-$ kubectl get pod

ME
linx_deployment
                                                                                                                                                                                            RESTARTS
                                                                                                                                                                                                                            AGE
11m
                                                                                                                                                                                   g 0 11m
-pes1ug20cs050-8cf4bf97-562dc
                                                                                                                                                                                        RESTARTS
0
0
0
                                                                                                                                                                                                                           AGE
5m32s
12m
5s
 ME
jinx-deployment-peslug20cs050-8cf4bf97-bxxsc
jinx-deployment-peslug20cs050-8cf4bf97-mfscf
jinx-deployment-peslug20cs050-8cf4bf97-q4ssc
iorathra@peslug20cs050:-5
... 刘 🦁 🐸 🛅 🚈 🖫 🔄
```

```
Anorathra@peslug20cs050:-$ kubectl apply -f nginx-service.yaml

service/nginx-service-peslug20cs050 created
ahorathra@peslug20cs050:-$ kubectl get service

NAME

TYPE

CLUSTER.IP

CLUSTER.IP

SETERNAL-IP

PORT(S)

AGE

Kubernetes

ClusterIP

10.106.223.55 <none>
8080/TCP

12s

Anorathra@peslug20cs050:-$ kubectl describe service nginx-service

Name:

nginx-service-peslug20cs050:-$ kubectl describe service nginx-service

Name:

Name:

nginx-service-peslug20cs050

ClusterIP

10.106.223.55

Rone:

Selector:

app=nginx

Type:

ClusterIP

IP Family Policy:

SingleStack

IP:

10.106.223.55

Port:

vunset>
8080/TCP

Endpoints:

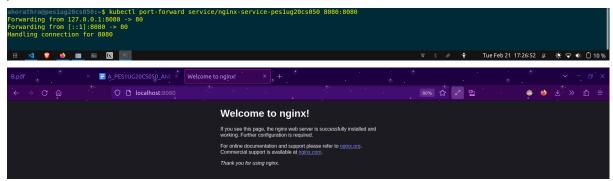
10.244.0.15:80,10.244.0.18:80,10.244.0.19:80

Session Affinity:

None

Whorathra@peslug20cs050:-$ kubectl get port_or wide
iii 刘 🦁 🐞 🛅 🚈 🕅 📧
                                                                                                                                                                                                                                                                                                                                                   Tue Feb 21 17:19:06 Ø 🔅 💎 🐠 🗋 15
```

### 7



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