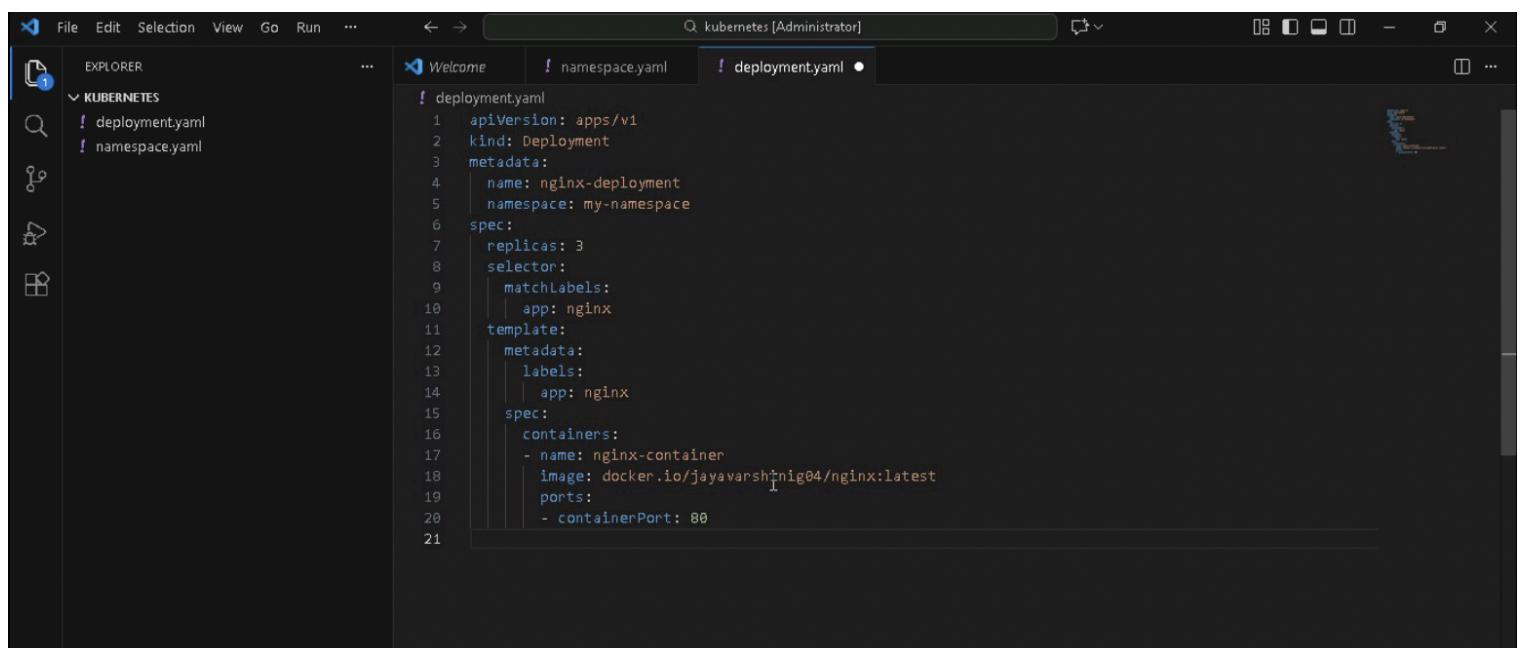


```
● Deleted: sha256:c35e29c9450151419d9448b0fd75374fec4fff364a27f176fb458d472dfc9e54
● PS C:\Users\Administrator> docker pull nginx
Using default tag: latest
● latest: Pulling from library/nginx
  119d43eec815: Pull complete
  d989100b8a84: Pull complete
  700146c8ad64: Pull complete
  eaf8753feae0: Pull complete
  10b68cfefee1: Pull complete
  500799c30424: Pull complete
  57f0dd1befe2: Pull complete
  785250c9bf9e: Download complete
  e2dd2dbe6277: Download complete
Digest: sha256:06eb0c817047c1d0f247f700431a4cddfb26a7622903dcba6fbe264de2c588f23
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
● PS C:\Users\Administrator> docker run -P -d nginx
● c27fdf34b0c69432f23eb0d8ca0e976081de250381e657793d09c624cd2a9e7
```

```
PS C:\Users\Administrator\Desktop\kubernetes> kubectl get nodes
NAME           STATUS   ROLES      AGE   VERSION
desktop-control-plane   Ready    control-plane   14m   v1.31.1
desktop-worker     Ready    <none>     14m   v1.31.1
● desktop-worker2   Ready    <none>     14m   v1.31.1
PS C:\Users\Administrator\Desktop\kubernetes> kubectl get namespace
NAME        STATUS   AGE
default     Active   15m
● kube-node-lease   Active   15m
kube-public   Active   15m
kube-system   Active   15m
local-path-storage   Active   14m
PS C:\Users\Administrator\Desktop\kubernetes> kubectl create ns wipro
namespace/wipro created
● PS C:\Users\Administrator\Desktop\kubernetes> kubectl get ns
● NAME        STATUS   AGE
default     Active   15m
kube-node-lease   Active   15m
kube-public   Active   15m
kube-system   Active   15m
local-path-storage   Active   15m
wipro       Active   13s
○ PS C:\Users\Administrator\Desktop\kubernetes>
```

```
PS C:\Users\Administrator> docker run -it ubuntu
○ Unable to find image 'ubuntu:latest' locally
latest: Pulling from library/ubuntu
20043066d3d5: Pull complete
06808451f0d6: Download complete
Digest: sha256:c35e29c9450151419d9448b0fd75374fec4fff364a27f176fb458d472dfc9e54
Status: Downloaded newer image for ubuntu:latest
root@f532e455a389:/# ls
bin  boot  dev  etc  home  lib  lib64  media  mnt  opt  proc  root  run  sbin  srv  sys  tmp  usr  var
root@f532e455a389:/# ls -l
total 48
lrwxrwxrwx  1 root root    7 Apr 22 2024 bin -> usr/bin
drwxr-xr-x  2 root root 4096 Apr 22 2024 boot
drwxr-xr-x  5 root root  360 Jan 13 07:23 dev
drwxr-xr-x  1 root root 4096 Jan 13 07:23 etc
drwxr-xr-x  3 root root 4096 Oct 13 14:09 home
lrwxrwxrwx  1 root root    7 Apr 22 2024 lib -> usr/lib
lrwxrwxrwx  1 root root    9 Apr 22 2024 lib64 -> usr/lib64
drwxr-xr-x  2 root root 4096 Oct 13 14:02 media
drwxr-xr-x  2 root root 4096 Oct 13 14:02 mnt
drwxr-xr-x  2 root root 4096 Oct 13 14:02 opt
dr-xr-xr-x 231 root root     0 Jan 13 07:23 proc
drwxr----- 2 root root 4096 Oct 13 14:09 root
drwxr-xr-x  4 root root 4096 Oct 13 14:09 run
lrwxrwxrwx  1 root root    8 Apr 22 2024 sbin -> usr/sbin
drwxr-xr-x  2 root root 4096 Oct 13 14:02 srv
dr-xr-xr-x 13 root root     0 Jan 13 07:23 sys
drwxrwxrwt  2 root root 4096 Oct 13 14:09 tmp
drwxr-xr-x 12 root root 4096 Oct 13 14:02 usr
drwxr-xr-x 11 root root 4096 Oct 13 14:09 var
```

Activate Window  
Go to Settings to act

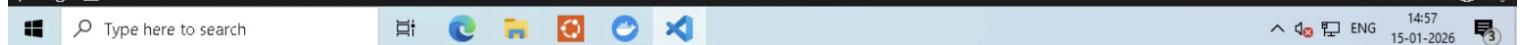


A screenshot of a dark-themed code editor, likely Visual Studio Code, showing a file named `deployment.yaml`. The file contains the configuration for a Kubernetes Deployment. The code is as follows:

```
1 apiVersion: apps/v1
2 kind: Deployment
3 metadata:
4   name: nginx-deployment
5   namespace: my-namespace
6 spec:
7   replicas: 3
8   selector:
9     matchLabels:
10    app: nginx
11   template:
12     metadata:
13       labels:
14         app: nginx
15     spec:
16       containers:
17         - name: nginx-container
18           image: docker.io/jayavarshnig04/nginx:latest
19           ports:
20             - containerPort: 80
21
```

```
● PS C:\Users\Administrator> docker container rm 949a0241e0a1
949a0241e0a1
PS C:\Users\Administrator> docker container ls -all
● CONTAINER ID        IMAGE               COMMAND      CREATED          STATUS          PORTS          NAMES
● PS C:\Users\Administrator> docker image rm hello-world
● Untagged: hello-world:latest
Deleted: sha256:d4aaab6242e0cace87e2ec17a2ed3d779d18fbfd03042ea58f2995626396a274
○ PS C:\Users\Administrator>
```

```
/docker-entrypoint.sh: Launching /docker-entrypoint.d/50-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2026/01/15 09:14:51 [notice] 1#1: using the "epoll" event method
2026/01/15 09:14:51 [notice] 1#1: nginx/1.29.4
2026/01/15 09:14:51 [notice] 1#1: built by gcc 14.2.0 (Debian 14.2.0-19)
2026/01/15 09:14:51 [notice] 1#1: OS: Linux 6.6.87.2-microsoft-standard-WSL2
2026/01/15 09:14:51 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2026/01/15 09:14:51 [notice] 1#1: start worker processes
2026/01/15 09:14:51 [notice] 1#1: start worker process 32
2026/01/15 09:14:51 [notice] 1#1: start worker process 33
2026/01/15 09:14:51 [notice] 1#1: start worker process 34
2026/01/15 09:14:51 [notice] 1#1: start worker process 35
PS C:\Users\Administrator\Desktop\kubernetes> kubectl delete deployment myfirstdeployment -n wipro
● deployment.apps "myfirstdeployment" deleted from wipro namespace
PS C:\Users\Administrator\Desktop\kubernetes>
```

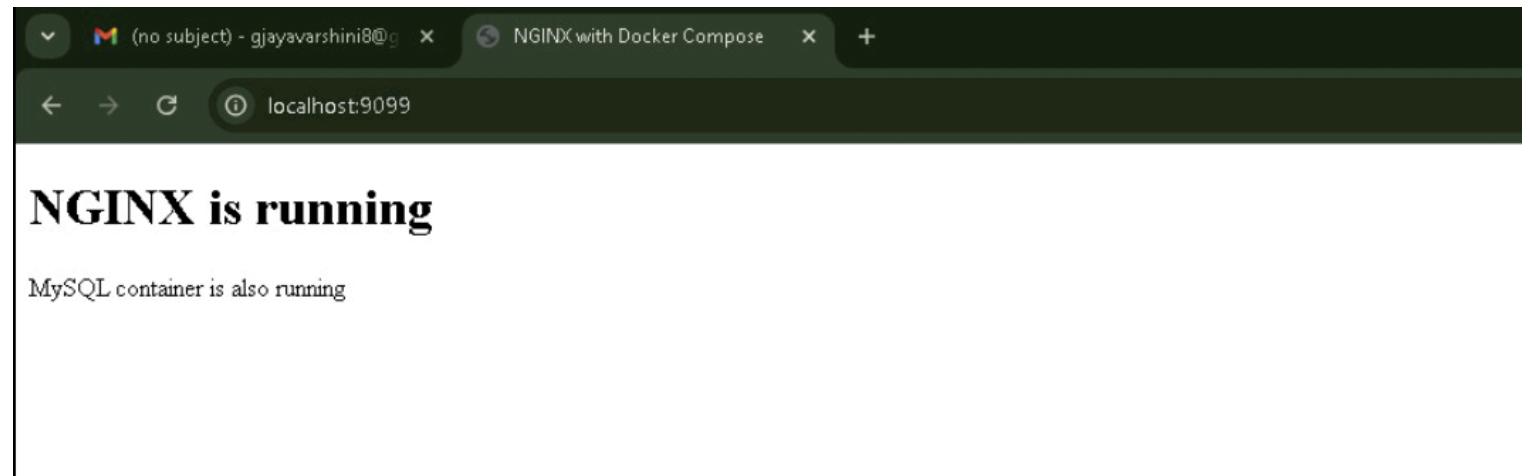


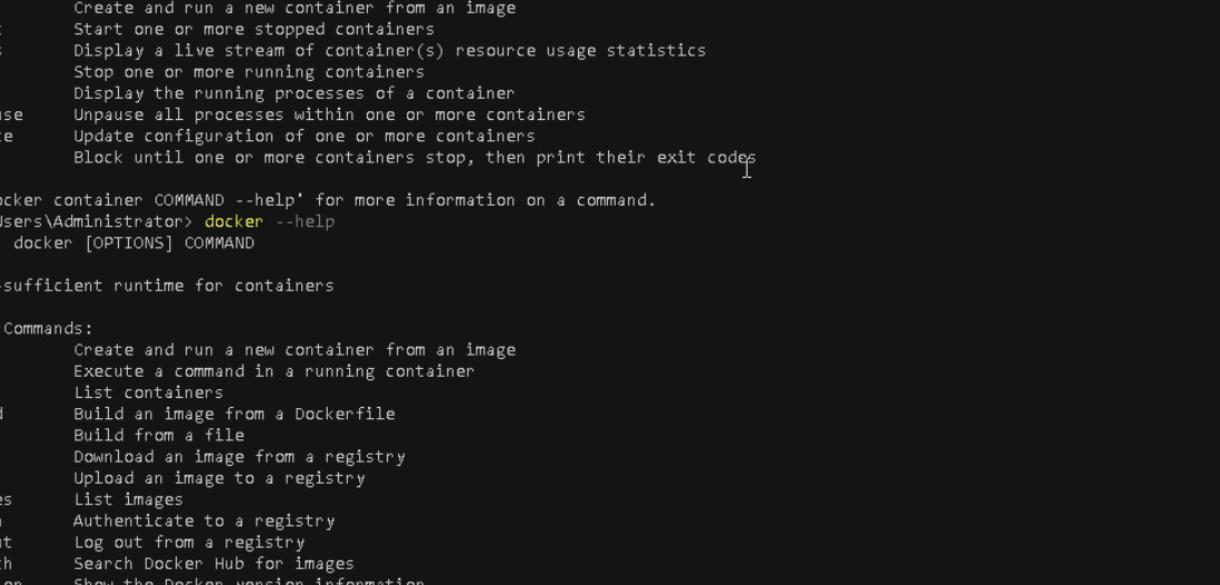
```
PS C:\Users\Administrator\Documents\nginx_docker> docker-compose up -d
④ time="2026-01-15T10:52:10+05:30" level=warning msg="C:\\\\Users\\\\Administrator\\\\Documents\\\\nginx_docker\\\\docker-compose.yaml: the attribute 'version' is obsolete,
it will be ignored, please remove it to avoid potential confusion"
[+] Running 2/3
  ✓ Network nginx_docker_app_network  Created          0.3s
  ✓ Container mysql_server           Started         3.7s
  - Container nginx_server          Starting        3.1s
Error response from daemon: ports are not available: exposing port TCP 0.0.0.0:8080 -> 127.0.0.1:0: listen tcp 0.0.0.0:8080: bind failed: Address already in use
address (protocol/network address/port) is normally permitted. [I]
Go to Settings to activate Windows.
○ PS C:\Users\Administrator\Documents\nginx_docker>
```

```

✓ Network nginx_docker_app_network  Removed          1.1s
PS C:\Users\Administrator\Documents\nginx_docker> docker-compose up -d
● time="2026-01-15T10:55:05+05:30" level=warning msg="C:\\Users\\Administrator\\Documents\\nginx_docker\\docker-compose.yaml: the attribute `version` is obsolete, it will be ignored, please remove it to avoid potential confusion"
[+] Running 2/3
✓ Network nginx_docker_app_network  Created          0.3s
✓ Container mysql_server           Started          4.3s
- Container nginx_server          Starting         3.5s
Error response from daemon: ports are not available: exposing port TCP 0.0.0.0:8080 -> 127.0.0.1:0: listen tcp 0.0.0.0:8080: bind: Only one usage of each socket address (protocol/network address/port) is normally permitted.
● PS C:\Users\Administrator\Documents\nginx_docker> docker ps
CONTAINER ID   IMAGE          COMMAND       CREATED      STATUS        PORTS          NAMES
a1c1772fb89e   mysql:8.0    "docker-entrypoint.s..."  35 seconds ago Up 32 seconds  0.0.0.0:9092->80/tcp, [::]:9092->80/tcp  mysql_server
fa845c3730c7   custom-nginx  "/docker-entrypoint..."  58 minutes ago Up 58 minutes  0.0.0.0:9090->80/tcp, [::]:9090->80/tcp  elastic_hugle
b6c5f912b392   nginx         "/docker-entrypoint..."  42 hours ago   Up 42 hours   0.0.0.0:8085->80/tcp, [::]:8085->80/tcp  nginx-custom
c27dfdf34b0c   nginx         "/docker-entrypoint..."  44 hours ago   Up 44 hours   0.0.0.0:32768->80/tcp                xenodochial_babbage
○ PS C:\Users\Administrator\Documents\nginx_docker>

```





File Edit Selection View Go ← → Search [Administrator] powershell + - | X

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\Administrator> docker container --help

rmi	Remove one or more containers
run	Create and run a new container from an image
start	Start one or more stopped containers
stats	Display a live stream of container(s) resource usage statistics
stop	Stop one or more running containers
top	Display the running processes of a container
unpause	Unpause all processes within one or more containers
update	Update configuration of one or more containers
wait	Block until one or more containers stop, then print their exit codes

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

PS C:\Users\Administrator> docker --help

Usage: docker [OPTIONS] COMMAND

A self-sufficient runtime for containers

Common Commands:

run	Create and run a new container from an image
exec	Execute a command in a running container
ps	List containers
build	Build an image from a Dockerfile
bake	Build from a file
pull	Download an image from a registry
push	Upload an image to a registry
images	List images
login	Authenticate to a registry
logout	Log out from a registry
search	Search Docker Hub for images
version	Show the Docker version information
info	Display system-wide information

Management Commands:

ai*	Docker AI Agent - Ask Gordon
builder	Manage builds

Activate Windows  
Go to Settings to activate