

## INSTALLING NGINX:

```
kirthik@9176994b7e94573:~$ sudo docker pull nginx
Using default tag: latest
latest: Pulling from library/nginx
d014f92d532d: Download complete
513c3649bb14: Download complete
9dd21ad5a4a6: Download complete
bf9acace214a: Download complete
943ea0f0c2e4: Download complete
103f50cb3e9f: Download complete
Digest: sha256:9d6b58feebd2dbd3c56ab5853333d627cc6e281011cfd6050fa4bcf2072c9496
Status: Downloaded newer image for nginx:latest
docker.io/library/nginx:latest
```

## DISPLAYING THE IMAGE LIST:

```
kirthik@9176994b7e94573:~$ sudo docker images
```

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
kirthik4	latest	c01628b10c0c	19 hours ago	182MB
kirthik	latest	210591301772	2 weeks ago	12.1MB
kirthik3	latest	8db6d0c0a2ac	2 weeks ago	182MB
kirthik2	latest	58ac03a23e8c	2 weeks ago	182MB
nginx	latest	9d6b58feebd2	3 weeks ago	279MB
hello-world	latest	bfb0cc14f13	6 weeks ago	20.4kB
swarm	latest	2de8883e2933	4 years ago	16.6MB

```
kirthik@9176994b7e94573:~$ sudo docker run -p 8000:80 nginx
```

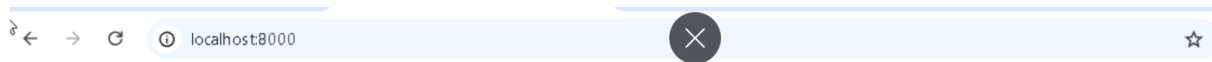
## RUNNING THE CONTAINER:

```
kirthik@9176994b7e94573:~$ sudo docker run -p 8000:80 nginx
/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: Sourcing /docker-entrypoint.d/15-local-resolvers.en
vsh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/20-envsubst-on-templ
ates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-proce
sses.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
```

Activate Windows  
Go to Settings to activate Windows.

## RUNNING A DETACHED CONTAINER:

```
kirthik@9176994b7e94573:~$ sudo docker run --name detached_nginx -d -p 8000:80 nginx
96d6df6d41b61b5bb0d7d56ac60bf0088b80e20db39e1b305a07d93095855e11
```



## Welcome to Nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to [nginx.org](http://nginx.org).

Commercial support is available at [nginx.com](http://nginx.com).

*Thank you for using Nginx.*

## DISPLAYING RUNNING CONTAINER:

```
kirthik@9176994b7e94573:~$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS
PORTS          NAMES
96d6df6d41b6   nginx     "/docker-entrypoint.    23 seconds ago Up 22 s
econds 0.0.0.0:8000->80/tcp   detached_nginx
```

## INTERACTING DIRECTLY WITH DETACHED CONTAINER:

```
kirthik@9176994b7e94573:~$ sudo docker exec -it detached_nginx /bin/bash
root@96d6df6d41b6:/# ls
bin  docker-entrypoint.d  home  media  proc  sbin  tmp
boot docker-entrypoint.sh  lib   mnt    root  srv   usr
dev  etc                  lib64 opt    run   sys   var
root@96d6df6d41b6:/# cd ~
root@96d6df6d41b6:~# ls
root@96d6df6d41b6:~# cd /usr/share/nginx/html/
root@96d6df6d41b6:/usr/share/nginx/html# ls
50x.html  index.html
root@96d6df6d41b6:/usr/share/nginx/html# nano index.html
bash: nano: command not found
root@96d6df6d41b6:/usr/share/nginx/html# vi index.html
bash: vi: command not found
root@96d6df6d41b6:/usr/share/nginx/html# apt update && apt install nano -y
# For Debian/Ubuntu
m install nano -y
# For RHEL/CentOS
Get:1 http://deb.debian.org/debian bookworm InRelease [151 kB]
```

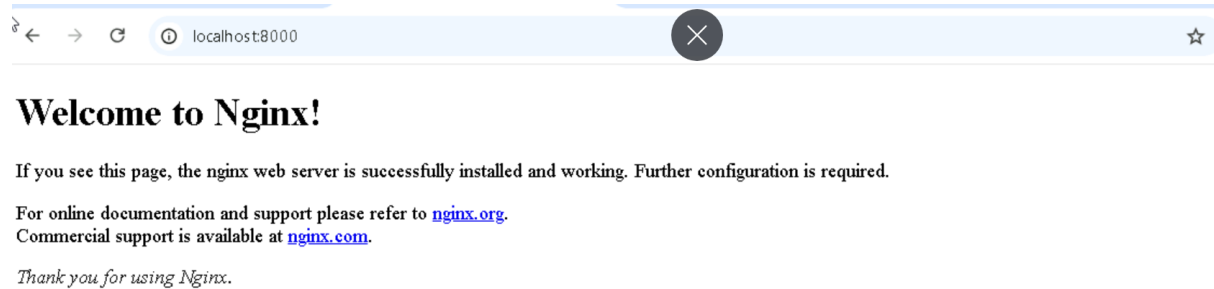
## MODIFYING THE INDEX.HTML

```
root@96d6df6d41b6:/usr/share/nginx/html# nano index.html
root@96d6df6d41b6:/usr/share/nginx/html# nano index.html
```

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Welcome to Nginx</title>
</head>
<body>
  <h1>Welcome to Nginx!</h1>

  <p>If you see this page, the nginx web server is successfully installed and
  working. Further configuration is required.

  <p>For online documentation and support please refer to
  <a href="http://nginx.org/">nginx.org</a>.<br>
  Read 22 lines
```



```
kirthik@9176994b7e94573: ~
GNU nano 7.2 index.html
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>
^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute
^X Exit      ^R Read File  ^\ Replace    ^U Paste      ^J Justify
```

