# Docker

```
ubuntu@ip-172-31-30-160:~$ mkdir NicoleAssignment7
ubuntu@ip-172-31-30-160:~$ cd NicoleAssignment7
ubuntu@ip-172-31-30-160:~/NicoleAssignment7$ touch assignment7.sh
ubuntu@ip-172-31-30-160:~/NicoleAssignment7$ vim assignment7.sh
ubuntu@ip-172-31-30-160:~/NicoleAssignment7$ touch Dockerfile
ubuntu@ip-172-31-30-160:~/NicoleAssignment7$ vim Dockerfile
ubuntu@ip-172-31-30-160:~/NicoleAssignment7$ sudo docker build -t con .
[+] Building 13.4s (9/9) FINISHED
 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 105B
 => [internal] load metadata for docker.io/library/ubuntu:latest
 => [internal] load .dockerignore
 => => transferring context: 2B
 => CACHED [1/4] FROM docker.io/library/ubuntu:latest@sha256:72297848456d5d37d1262630108ab308d3e9ec7ed1c3286a32fe09056419a782
 => [2/4] RUN apt update -y && apt install nginx vim -y
 => [internal] load build context
 => => transferring context: 626B
 => [3/4] COPY assignment7.sh /bin
 => [4/4] RUN chmod +x /bin/assignment7.sh
 => exporting to image
 => => exporting layers
 => => writing image sha256:53420a3b4f7b862c66110b828eb9530952a33203b0bf3e534139e0c245f42509
 => => naming to docker.io/library/con
ubuntu@ip-172-31-30-160:~/NicoleAssignment7$ sudo service nginx stop
ubuntu@ip-172-31-30-160:~/NicoleAssignment7$ sudo docker run -d -p 80:80 con
d2cfd22034c870c7621e43a323eda27b7736c678fd3abac5f7f27ef99560c7da
ubuntu@ip-172-31-30-160:~/NicoleAssignment7$ sudo docker ps
CONTAINER ID   IMAGE   COMMAND              CREATED        STATUS        PORTS                                         NAMES
d2cfd22034c8   con     "/bin/assignment7.sh"  3 seconds ago  Up 2 seconds  0.0.0.0:80->80/tcp, [::]:80->80/tcp          vigilant_euler
ubuntu@ip-172-31-30-160:~/NicoleAssignment7$
```

54.163.209.46

## Welcome to Nicoleâ€™s page!

If you see this page, the nginx (Pronounced as EngineX) web server is
successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx (Pronounced as
EngineX).org.
Commercial support is available at nginx (Pronounced as EngineX).com.

*Thank you for using nginx (Pronounced as EngineX).*

I'm not sure why my page comes up with "Nicoleâ€™s" when in my script the code is:

- sed -i "s/Welcome to nginx/Welcome to Nicole's page/" /var/www/html/*.html

- But everything else is doing good

**<u>Resources:</u>**

Lectures: Docker

Richard Blum and Christine Bresnahan, Linux Command Line and Shell Scripting Bible, 4th Edition, John Wiley & Sons, 2020, ISBN: 978-1119700913.

https://www.cyberciti.biz/faq/nginx-restart-ubuntu-linux-command/

Docker Cheat Sheet: https://docs.docker.com/get-started/docker_cheatsheet.pdf

# Sources:

Lectures: VIM, Filesystems, Operating System Basics

Richard Blum and Christine Bresnahan, Linux Command Line and Shell Scripting Bible, 4th Edition, John Wiley & Sons, 2020, ISBN: 978-1119700913.

https://people.duke.edu/~hpgavin/gnuplot.html

https://www.cs.hmc.edu/~vrable/gnuplot/using-gnuplot.html

https://aws.amazon.com/about-aws/global-infrastructure/regions_az/

https://docs.aws.amazon.com/global-infrastructure/latest/regions/aws-regions.html