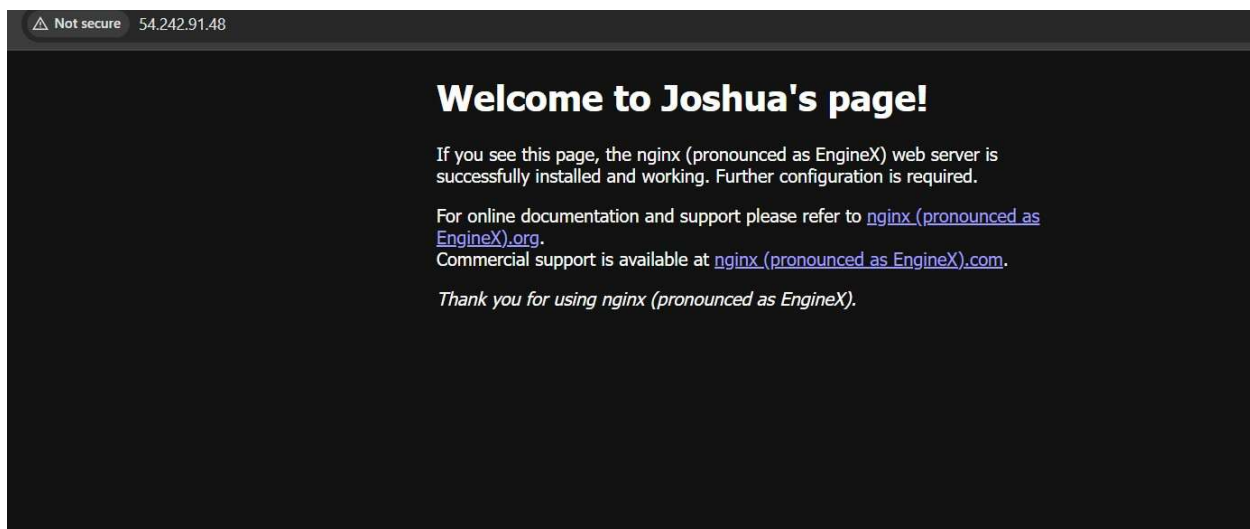


## Screenshots:

```
ubuntu@ip-172-31-30-160: ~/nginx_practice
ubuntu@ip-172-31-30-160:~/nginx_practice$ sudo docker build -t container .
[+] Building 0.8s (9/9) FINISHED
=> [internal] load build definition from Dockerfile
=> => transferring Dockerfile: 522B
=> [internal] load metadata for docker.io/library/ubuntu:latest
=> [internal] load .dockerignore
=> => transferring context: 2B
=> [1/4] FROM docker.io/library/ubuntu:latest@sha256:7225784455405d37d13c2630134ab104d3a9ec7ed1c3284a327e09458419a782
=> CACHED [1/4] RUN apt-get update && apt-get install -y vim nginx
=> [internal] load build context
=> => transferring context: 2.57kB
=> [3/4] COPY Holder_App.sh /Holder_App.sh
=> [4/4] RUN chmod +x /Holder_App.sh
=> exporting to image
=> => exporting layers
=> => writing image sha256:521fa1f736277e7e3d7763287d35a78e36764ad37c13b66501c239a61ed9f11b
=> => naming to docker.io/library/container
ubuntu@ip-172-31-30-160:~/nginx_practice$ sudo docker run -d -p 80:80 container
690d7c609897c5a71789a833535b650a6458b32f06d4361b39d35fa25e2073e5
ubuntu@ip-172-31-30-160:~/nginx_practice$ sudo docker ps
CONTAINER ID   IMAGE     COMMAND                  CREATED        STATUS        PORTS                               NAMES
690d7c609897   container "/Holder_App.sh"       7 seconds ago Up 7 seconds  0.0.0.0:80->80/tcp, [::]:80->80/tcp beautiful_panini
ubuntu@ip-172-31-30-160:~/nginx_practice$ sudo lsof -i:80
COMMAND      PID USER   FD   TYPE DEVICE SIZE/OFF NODE NAME
docker-pr  9307 root    7u    IPv4  42704      0t0  TCP *:http (LISTEN)
docker-pr  9311 root    7u    IPv6  42705      0t0  TCP *:http (LISTEN)
ubuntu@ip-172-31-30-160:~/nginx_practice$
```

-In the terminal screenshot, we use Docker build to create the container and Docker run to launch the container. I used an additional argument to use port 80 HTTP. Also printed off all docker processes to ensure my container is running



-Using the IP address of my AWS instance to see the new nginx page with all the required changes.

References:

- Notes provided by Professor Vijay Banerjee on 20250403
- Techno Jim's video for understanding on how to use docker and docker files:  
<https://www.youtube.com/watch?v=SnSH8Ht3Mlc&t=718s>
- How to keep your nginx page running continuously in your script:  
<https://www.baeldung.com/linux/shell-do-nothing>
- Docker community forums on the RUN commands:  
<https://forums.docker.com/t/dockerfile-run-apt-get-install-all-packages-at-once-or-one-by-one/17191>
- Docker reference page for all commands:  
<https://docs.docker.com/reference/dockerfile/>
- InfoWorld's video on using the sed command:  
<https://www.youtube.com/watch?v=4nkdPsVYDQc&t=105s>