

## Docker Task –3

### Task Description:

Create a custom docker image for nginx and deploy it using docker compose, where the volume bind mount should be at /var/opt/nginx location. Push the created custom docker image to your docker-hub.

### 1. Docker Container Running:

```
77a17eed5d29: Pushed
418dccb7d85a: Pushed
latest: digest: sha256:88a982572c3df1a817423c0f0841839b2815ffa6c5b29b6ae79814fac6b3631f size: 2196
[ec2-user@lp-172-31-32-233 ~]$ docker ps
CONTAINER ID   IMAGE               COMMAND                  CREATED        STATUS        PORTS                    NAMES
1ecdf4e8c83   custom-nginx-web   "/docker-entrypoint..." 50 minutes ago Up 50 minutes   0.0.0.0:80->80/tcp, :::80->80/tcp   custom-nginx-web-1
[ec2-user@lp-172-31-32-233 ~]$
```

### 2. Web Page Output in Browser:



### 3. Docker Compose Build and Up:

```
[ec2-user@lp-172-31-32-233 custom-nginx]$ docker compose up --build -d
WARN[0000] /home/ec2-user/custom-nginx/docker-compose.yml: 'version' is obsolete
[+] Building 1.7s (8/8) FINISHED
=> [web internal] load build definition from Dockerfile
=> == transferring dockerfile: 109B
=> [web internal] load metadata for docker.io/library/nginx:alpine
=> [web web] library/nginx:alpine pulled for registry-1.docker.io
=> [web internal] load .dockerignore
=> == transferring context: 2B
=> [web internal] load build context
=> == transferring context: 129B
=> [web 1/2] FROM docker.io/library/nginx:alpine@sha256:d67eabd64d518b1bb84acde3b80f722ac3e97e4b3209a9b0a98924ba35e4b779
=> CACHED [web 2/2] COPY html/index.html /usr/share/nginx/html/index.html
=> [web] exporting to image
=> == exporting layers
=> == writing image sha256:54e26fb5d58c41207c418abfbce0124fabdfc773e0ac7fc1d63a889040e0ae5c
=> == naming to docker.io/library/custom-nginx-web
[+] Running 1/0
✔ Container custom-nginx-web-1 Running
[ec2-user@lp-172-31-32-233 custom-nginx]$
```

### 4. Docker Image Pushed to Docker Hub:



