

# Task A1

## Submission Information

Option	Description
Name	Lau Jun Hao Benjamin
Matriculation Number	A01840840B
Link to GitHub Repository	<a href="https://github.com/Capeguy/cs3219-otot/tree/master/OTOT_Task_A1">https://github.com/Capeguy/cs3219-otot/tree/master/OTOT_Task_A1</a>
Instructions	<a href="#">Below</a>
Other Relevant Learnings	null

## Instructions on how to run the Docker container

Write index.html

```
<!DOCTYPE html>
<html>

<head>
  <title>CS3219 Task A1</title>
</head>

<body>
  <h1>Hello! This is the HTML page served from NGINX.</h1>
</body>

</html>
```

Write Dockerfile

```
FROM nginx:stable
COPY ./index.html /usr/share/nginx/html/index.html
EXPOSE 80
```

Build & Run Container

```
docker build . -t capeguy/task_a:latest
```

```
+ OTOT_Task_A1 git:(master) x docker build . -t capeguy/task_a:latest
[+] Building 1.4s (7/7) FINISHED
=> [internal] load build definition from Dockerfile                                0.0s
=> => transferring dockerfile: 36B                                                0.0s
=> [internal] load .dockerignore                                                  0.0s
=> => transferring context: 2B                                                    0.0s
=> [internal] load metadata for docker.io/library/nginx:stable                  1.3s
=> [internal] load build context                                                  0.0s
=> => transferring context: 32B                                                  0.0s
=> [1/2] FROM docker.io/library/nginx:stable@sha256:76b965c84060daa7c9eaf7d60ce2badae819ae9f384f9e273f11160191ac50bc 0.0s
=> CACHED [2/2] COPY ./index.html /usr/share/nginx/html/index.html              0.0s
=> exporting to image                                                            0.0s
=> => exporting layers                                                            0.0s
=> writing image sha256:8b1e20efa79e16891a7845d2efcf02a4e95762e3fd6f2a3644d06eb02326e5af 0.0s
=> => naming to docker.io/capeguy/task_a:latest                                0.0s
```

```
docker push capeguy/task_a:latest
```

```
+ OTOT_Task_A1 git:(master) x docker push capeguy/task_a:latest
The push refers to repository [docker.io/capeguy/task_a]
d2004a7f8e79: Layer already exists
```

```
0bdf8da939c8: Layer already exists
a77307502458: Layer already exists
b4f0619f5d91: Layer already exists
2af43e00049a: Layer already exists
d926ce0c8121: Layer already exists
476baebdfbf7: Layer already exists
latest: digest: sha256:302a3a7bd7cba0b7518c0a055303a1aa8e7c7e1cbb82713693cab76d929520a size: 1777
```

```
docker run -p "8001:80" capeguy/task_a:latest
```

```
→ OTOT_Task_A1 git:(master) ✗ docker run -p "8001:80" capeguy/task_a:latest
/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: Launching /docker-entrypoint.d/20-envsubst-on-templates.sh
/docker-entrypoint.sh: Launching /docker-entrypoint.d/30-tune-worker-processes.sh
/docker-entrypoint.sh: Configuration complete; ready for start up
2021/10/02 13:20:22 [notice] 1#1: using the "epoll" event method
2021/10/02 13:20:22 [notice] 1#1: nginx/1.20.1
2021/10/02 13:20:22 [notice] 1#1: built by gcc 8.3.0 (Debian 8.3.0-6)
2021/10/02 13:20:22 [notice] 1#1: OS: Linux 5.10.25-linuxkit
2021/10/02 13:20:22 [notice] 1#1: getrlimit(RLIMIT_NOFILE): 1048576:1048576
2021/10/02 13:20:22 [notice] 1#1: start worker processes
```

Replace `capeguy` with your own Dockerhub Username

Navigate to <http://localhost:8001> on a Web Browser

A screenshot of a web browser's address bar. It shows navigation icons (back, forward, refresh) on the left, followed by a lock icon and the text 'localhost:8001'.

# Hello! This is the HTML page served from NGINX.