Iceye Assessment

Containerising Larvis

1. Create a Dockerfile using Ubuntu:18.04 image from DockerHub.com.
   Update the image and install curl.
   Create a folder directory and install the larvis binary in it.
   Make the directory the working directory.
2. Build the docker image "larvis"
3. Run the image
4. Test that './larvis' get a response
5. Test that 'curl localhost:8080/<your-name-here>' response.

```
Terminal    Local  ×

(Python-3_9) PS D:\Iceye\Larvis> docker build -t larvis .
[+] Building 3.5s (10/10) FINISHED
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [internal] load build definition from Dockerfile
 => => transferring dockerfile: 364B
 => [internal] load metadata for docker.io/library/ubuntu:18.04
 => [1/5] FROM docker.io/library/ubuntu:18.04
 => [internal] load build context
 => => transferring context: 60B
 => CACHED [2/5] RUN apt-get -y update; apt-get -y install curl
 => CACHED [3/5] RUN mkdir -p /home/Larvis
 => CACHED [4/5] ADD files/larvis /home/larvis/
 => CACHED [5/5] WORKDIR /home/larvis
 => exporting to image
 => => exporting layers
 => => writing image sha256:4ccaccad38d9256f8c4e9690ab22e3137c1bc533d02d2bbd26e6d910c32a60f5
 => => naming to docker.io/library/larvis

What's Next?
  View a summary of image vulnerabilities and recommendations → docker scout quickview
(Python-3_9) PS D:\Iceye\Larvis>
```

```
Terminal    Local  ×

(Python-3_9) PS D:\Iceye\Larvis> docker run -it --rm --name larvis_service larvis
root@766329f432f1:/home/larvis# ./larvis
2023/11/10 16:51:33 LARVIS online. Listening on :8080
```

	Name	Image	Status	CPU (%)	Port(s)	Last started	Actions
☐	larvis_service 766329f432f1	larvis	Running	0%		1 minute ago	■ ⋮ 🗑

Logs   Inspect   Bind mounts   Exec   Files   Stats

```
# curl localhost:8080/yonatan80
Greetings, yonatan80#
#
```

Terminal   Local ×

```
root@e1f0a8f9dbcf:/home/larvis# ./larvis -addr :9090
2023/11/10 16:56:20 LARVIS online. Listening on :9090
```

Logs   Inspect   Bind mounts   Exec   Files   S

```
# curl localhost:9090/yoni90
Greetings, yoni90#
```