You must create two containers. The first one will be a web server, based on **httpd:2.4-alpine**. It will server the following page that must be copied inside the container as **/usr/local/apache2/htdocs/index.html**:

```
<!DOCTYPE html>

<html>

<head>

     <title>Hello, World!</title>

</head>

<body>

     <h1>Hello, World!</h1>

</body>

</html>
```

The second container must run, when launched, the following command to display the contents of the page in the first container:

```
curl http://<address/name of the first container>
```

The container must be based on ubuntu. curl is not installed by default, so you will need to install it.

Explain the commands and files you will use to do that.

First of all I always use "sudo su" to avoid permission issues. Then, we create the dockerfile to the server using:
nano dockerfile.server

dockerfile.server content:

```
FROM httpd:2.4-alpine
WORKDIR /usr/local/apache2/htdocs
COPY ./index.html .
ENTRYPOINT ["apache2","./index.html"]
```

Create the image from the dockerfile (using -f to specify the file) and -t to tag the image:

```
docker build -f dockerfile.server -t server
```

Create a network for the containers:

```
docker network create examnet
```

Run the first container in detached mode and with auto-remove adding the network, and also using a volume:

```
docker run -d --rm --name server --network examnet --volume examvol:/usr/local/apache2/htdocs server
```

Inspect the first container to get the address:

Then create the second dockerfile (same as the first):

```
nano dockerfile.cont2
```

dockerfile.cont2 content:

```
FROM ubuntu:latest
WORKDIR /usr/local/apache2/htdocs
CMD sudo apt-get install curl
ENTRYPOINT ["curl","http://addr/server"]
```

Now we buidl the second container:

```
docker build -f dockerfile.cont2 -t cont2
```

Then we run the container connected to the same network and volume:

```
docker run --rm --name cont2 --network examnet --volume  examvol:/usr/local/apache2/htdocs cont2
```