**Oct Docker compose part1 HW**

1. How can we make our image light from its Dockerfile?

By using fewer layers

By building our own base image

By using docker cache

1. How can you check process running inside a container?

By running the command ps -aux or top inside the container

We can also do docker exec -it container name ps -aux

We can also check process running inside the container from the host.

1. What are two ways that you can exit from a running container and keep it alive.

By creating our container in detach mode,

We can also specify a CMD or ENTRYPOINT in our Dockerfile and when create our container avoid overwriting it.

Ctrl+p+q

1. at what time instructions ARG and WORKDIR are used in the process of creating image and containers?

We use WORKDIR when we want to specify the current working directory where we are going to be when launching our container.

ARG is used to set our environment variable for our image

1. Can we get a non-exited container from an image generate from a Dockerfile that doesn’t have CMD instruction?

Yes, it is possible. First, we don’t need a CMD instruction in a Dockerfile because docker can use the default command specified in the base image.

Second, we have to create that container in the background and use a specified command (bash for exp) to override the default command.

1. What is the most common issue that you encounter at work with your Dockerfile? Explain

The most common issue is:

* Conflicting dependencies, when the DF specify two different versions of package.
* Security issue, avoid using the latest version that can contain bugs and insecure configuration.

1. On security point of view, how do you choose your base image version from a public repository?

Get the image from a reputable source, do not use a recent version because may contains vulnerabilities or outdated dependencies. We can also scan our base image by using Docker Security Scan.

1. There is a project call Devops\_Easy/S4-projects/responsive-website-restaurant on easy devops github account that you can fork, clone it to your local repo then mount a volume such a way you can launch a website for test from your local host, then modify the output Tasty Food by the best tasty food is DevOps. (ping me for assistance on our to get the code and binary to you if you don’t have github account)

