



DEVOPS EASY LEARNING

Class review-3
S5GROUP5
BrainCells
(DOCKER/AWS)

Questions

1. In just 10 word can you please briefly explain the following Dockerfile instructions?

- FROM
- COPY
- RUN
- CMD
- ENTRYPOINT
- LABEL
- USER
- VOLUME
- WORKDIR
- ARG

2. In docker how can an image become more lightweight?

3. What's the difference between **ENTRYPOINT** AND **CMD**

4. What the difference between **ADD** AND **COPY**



Questions

5. You wrote the dockerfile below, but after building the image(test1) and run the container with the following command **<<docker run --it test ls-lh>>** you didn't get the output want what may be the issue?

Dockerfile

```
1 FROM ubuntu
2 LABEL Worker=s5student
3 RUN apt-get update -y
4 CMD ["/bin/bash", "-c", "uname -a"]
5
```

You can copy here

```
FROM UBUNTU
LABEL WORKER=s5student
RUN apt-get update -y
CMD ["/bin/bash", "-C", "uname -a"]
```

6. You wrote the dockerfile below, but after building the image(test2) but while running the container you want to overwrite the entrypoint command at runtime, by listing root file system how would you do so?

Dockerfile

```
FROM ubuntu
LABEL Worker=s5student
RUN apt-get update -y
ENTRYPOINT [ "executable" ] ["/bin/bash", "-c", "uname -a"]
```

You can copy here

```
FROM UBUNTU
LABEL WORKER=s5student
RUN apt-get update -y
ENTRYPOINT ["executable"] ["/bin/bash", "-C", "uname -a"]
```



HANDS ON AWS/DOCKER

- ✓ **FOR THIS EXERCISE YOU WOULD HAVE TO DOWNLOAD AND INSTALL VSCODE ON YOUR COMPUTER.**
- ✓ **USE THE FOLLOWING LINK WHICH WILL HELP YOU TO GO THROUGH HOW TO DOWNLOAD AND INSTALL VSCODE ON YOUR COMPUTER.**
 - [windows and Mac Vscode download link](#)
 - [how to install vscode on windows 10/11](#)



HANDS ON AWS/DOCKER

While working as DevOps engineer at EK_TECK SOFTWARE SOLUTION. You have being assigned a ticket to perform the following task:

1. Deploy a server using Ubuntu image and on your server configuration assign the key you generated and security group.
2. Your server is now running, login using the ssh client and perform the following task
 - Update the server
 - Install docker on the server
3. The development team just finish building the customer application, you are asked to write a **dockerfile** with the instruction below to send it to the deployment team so as to deployed the app.
 - The base image is httpd
 - Create a volume called **saves**
 - Then copy your host content to the container in the volume you just created
 - your working directory is : /usr/local/apache2/htdocs/
 - Remove everything on your working directory
 - You can have the developer code here;
 - <https://linux-devops-course.s3.amazonaws.com/halloween.zip>
 - Unzip the directory and copy all it's content on your working directory directory
 - Delete the zip directory and the unzip directory
 - Open port 80 on the container



HANDS ON AWS/DOCKER

4. You notified the deployment team that your dockerfile is ready to use and you're tasked to performed the following actions:
 4. Deploy your application using bind port forwarding.
 5. Push the image to dockerhub



FEEL FREE TO DELETE WHEN YOU'RE DONE

