**Oct Docker part6 HW**

1. What is the meaning of default in IT?
2. Is it possible to have more than one image with the same ID?
3. What is the Use of prune in docker?
4. Can we remove many containers or images at the same time?
5. What is the use of bash at the end of the docker run command?
6. How can we launch a container and get the release version at the same time?
7. Write a script that can automatically put the contain from question 6 in a file call release.txt
8. Then make that script to be able to remove all image not in used that is older than 10 days.
9. What are options -w and -e used for in the docker run command?
10. Eric assignment

1-) Write a Dockerfile that has as base OS of ubuntu:18.04

2-) the dockerfile must have the following package installed

- git

- wget

- ansible

- java jre and jdk

3-) set the default home directory to s4

4-) create a directory called "VOL" locate under the default directory

5-) the first command running inside the container should be "bash"

6-) create a file locally with your name and copy it insde the container

7-) download the following into your image "https://dlcdn.apache.org/tomcat/tomcat-10/v10.0.26/bin/apache-tomcat-10.0.26.tar.gz"

8-) set the following as non alterable or non changeable data

\* company email, phone number

\* "This image is owned by EK TECH SOFTWARE SOLUTION"

9-) create the folowing environment variables

APP\_NAME = S4

CI\_JOB\_STAGE = development

TEST\_VAR = canary

TMP\_DIR = /tmp

10-) persist the volume at "/VOL"

11-) expose the following port 80 90 160 and port range from "1100 to 2200" except port 1186 and 1189

12-) the default user in the container should be called "s4student"

13-) create a file called user.sh under the default directory with contain below and run the script inside the

container