Do It Yourself - Exercise

Automation Using Dockerfile - Exercise 2

We'll cover the following

In the first exercise, we created a script that will print the current time and then we modified it to print the current date.

In this exercise, we will proceed with that. If you have those files with you, that's great. If not, don't worry. You can create it again. So, let's proceed with a note.

> *Understand the why and what of every command you use to complete this exercise. Try not to share the answers with peers in discussion forums. It will help to maintain a healthy competition as well as a will to complete the exercises ethically.*

Problem statement

In this exercise, you will:

- Write a script to print the current time with timezone and the current date.
- Write a Dockerfile to create an executable container from it which will show the current date and time with a timestamp.

Ex. Whenever you build the image using the created Dockerfile and fork a container from it, it should print the timestamp and exit.

> In this exercise, you have to use the "pytz" library, so create a requirements.txt file and (use this) this as a requirement.

You can use your machine or write the code in the code editor below and check the

output. The skeleton is provided. Write the appropriate Dockerfile and code in the

files. Once you are done, hit the run button, it will create the image and run the container.

```
# Dockerfile commands to build the image.

# use WORKDIR /exercise_2

WORKDIR /exercise_2
```

You should be able to print current date-time using `docker run date_time:latest`.

Sample output:

```
$ docker run date_time:latest
 04.26.2020 19:00:13 +0530
```

It’s not necessary that you follow this naming for files and images, but, to check the solution you need to substitute names accordingly.

I wish you all the best for your second exercise.