## Tisinger IST 659 Homework 1

# Questions

Answer these questions using the problem set submission template.

1. Use docker-compose to start the containers. What is the command you typed to do this?

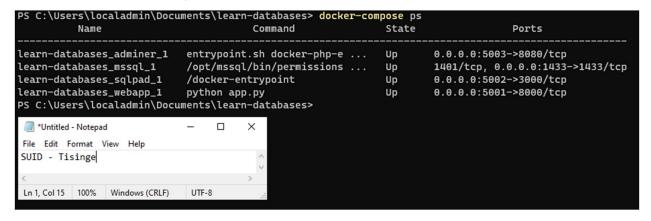
## docker-compose up -d



2. What is the command to show the running docker containers?

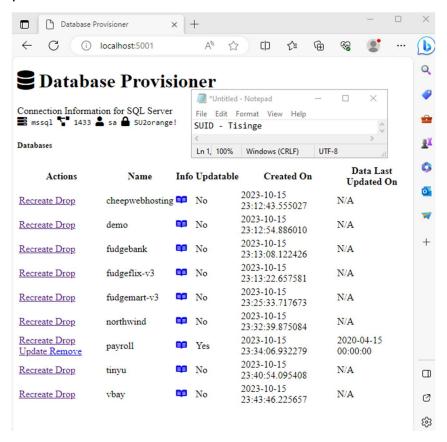
## **Docker-compose ps**

3. Provide a screenshot displaying evidence your containers are running (the output of the previous question should suffice).



4. Provision all the databases included in the Database provisioner application. Provide a screenshot as

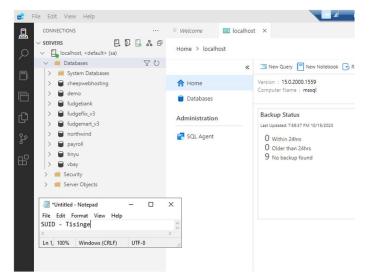
evidence they have been provisioned. Note: This might take some time so be patient!



5. Connect to MS SQL Server using azure data studio and provide a screenshot of the databases under

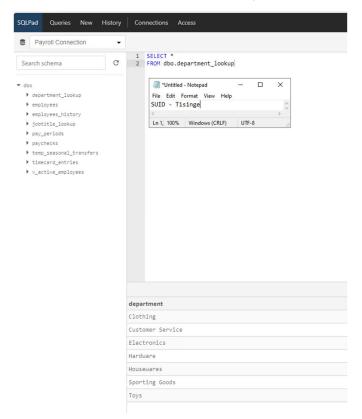
the connection. This will provide evidence your connection works and your databases were

provisioned.



6. Connect to MS SQL server using SQL Pad. Specifically connect to the payroll database and then run

this query: select \* from department\_lookup Include a screenshot of the query and output.



7. Connect to MS SQL server using Adminer, again connect to the payroll database.

Include a screenshot of the structure

of the employees table.



8. What is the command to shut down the running docker containers?

## **Docker-compose down**

9. Provide a screenshot displaying evidence your containers are no longer running (the output of the previous question should suffice).

# Reflection

Use this section to reflect on your learning. To achieve the highest grade on the assignment you must be as descriptive and personal as possible with your reflection.

1. What are the key things you learned through the process of completing this assignment?

I learned a lot of things from this assignment. I think the key thing I learned is to always just double check your work and make sure that you are in the right software and are executing the right commands to avoid issues.

2. What were the challenges or roadblocks (if any) you encountered on the way to completing it?

I was quite stuck for a while on question #7. I didn't understand that I had to change the top portion to SQL and select the BETA option for server type. I kept getting connection errors until I watched the YouTube video a couple of times.

3. Were you prepared for this assignment? What can you do to be better prepared?

I think I was. I watched all the content on the course site and followed along with the video. I think I could do with better time management and completing it a little bit earlier so I can review it before class again.

4. Now that you have completed the assignment rate your comfort level with this week's material. This

should be an honest assessment: (choose one)

4 ==> I understand this material and can explain it to others.

3 ==> I understand this material.

2 ==> I somewhat understand the material but sometimes need guidance from others.

1 ==> I understand very little of this material and need extra help