

# Applied Databases

## Higher Diploma in Data Analytics

### Exercise 1 – Connect to your Virtual Machine (VM)

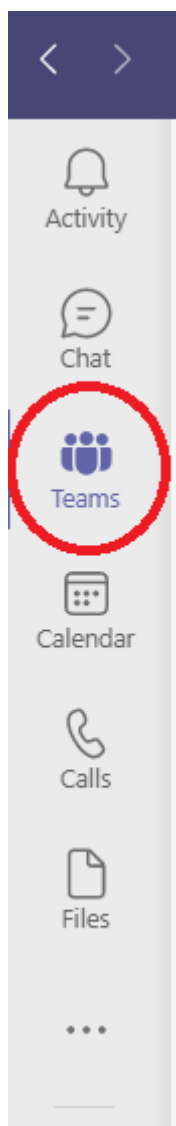
All software that you need for this module has already been installed on your own personal Virtual Machine (VM).

You should use this VM for all your work in this module, but for nothing else only this module.

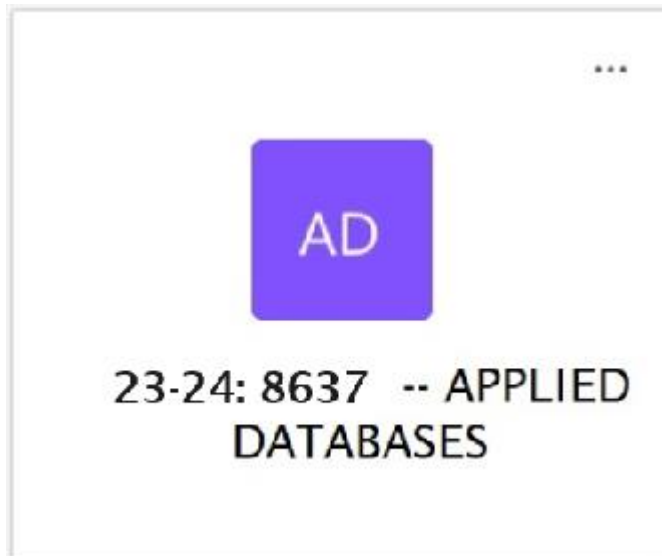
**Be sure to regularly back up your work off the VM, e.g., on OneDrive or your own personal computer, as during the semester the VM may have to be reimaged.**

To access your VM, do the following:

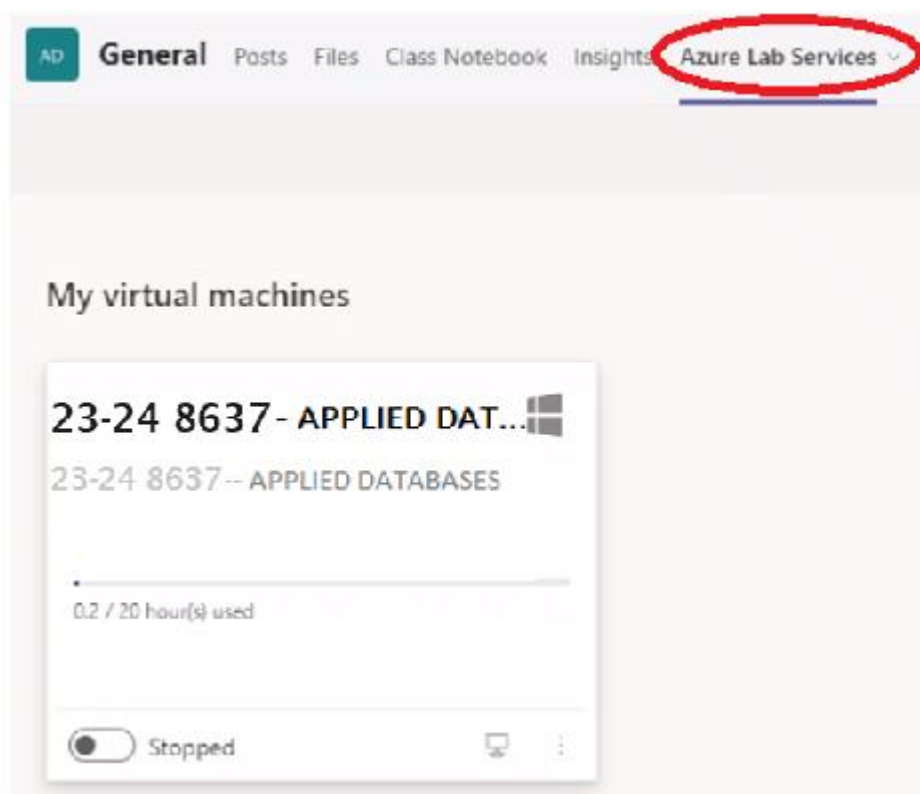
- Go to the *Teams* tab in Microsoft Teams (or <https://labs.azure.com/>):



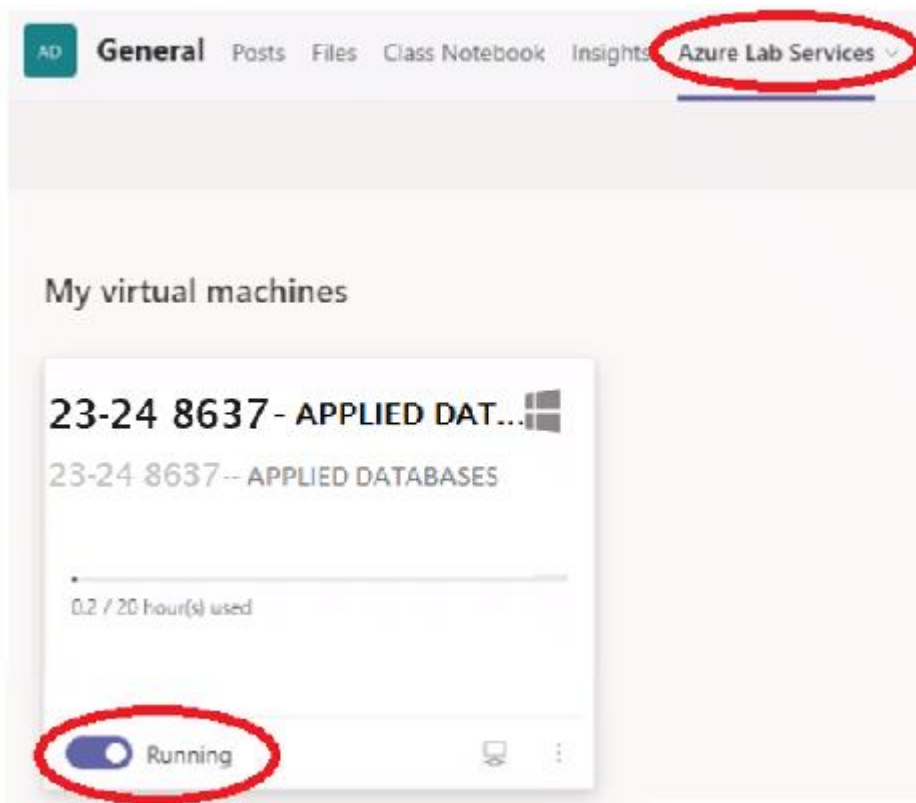
- Click on the Team 23-24: 8637 – APPLIED DATABASES:



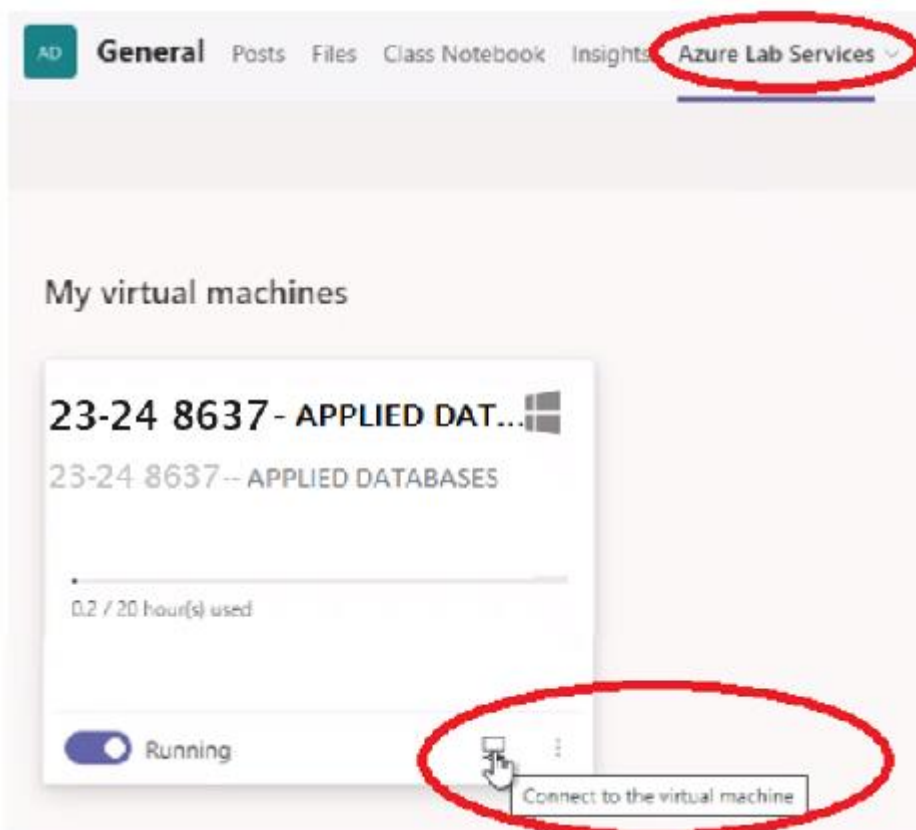
- Click on the Azure Lab Services tab:



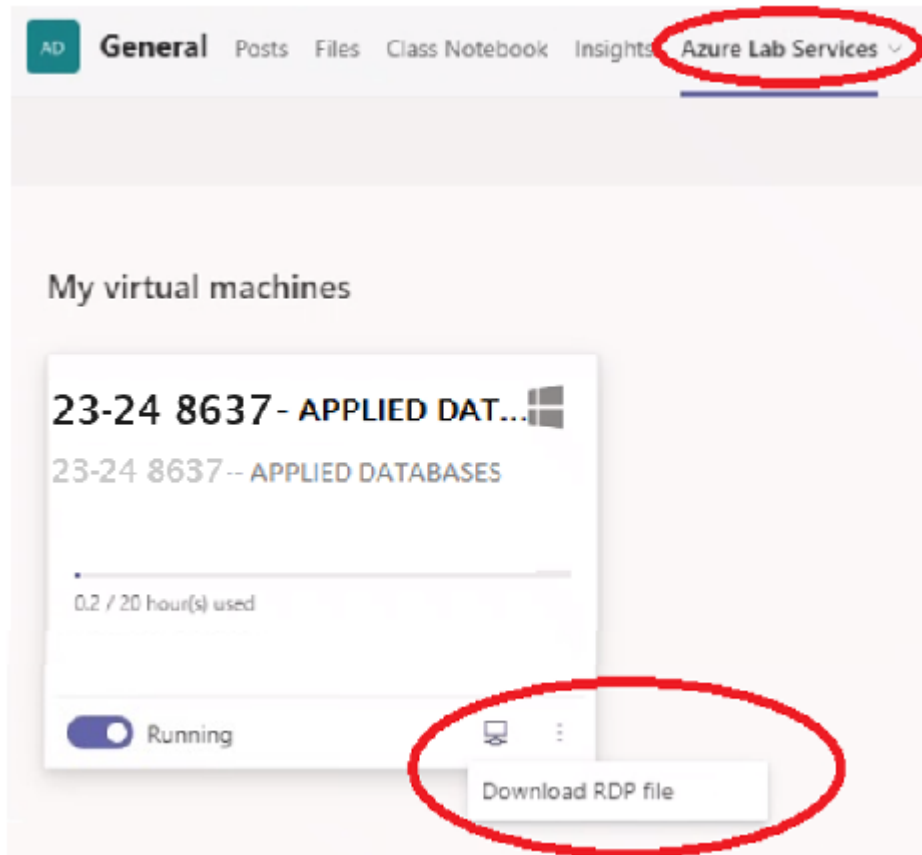
- Turn on the VM as shown:



- When the VM is *Running*, connect to the VM as shown....:



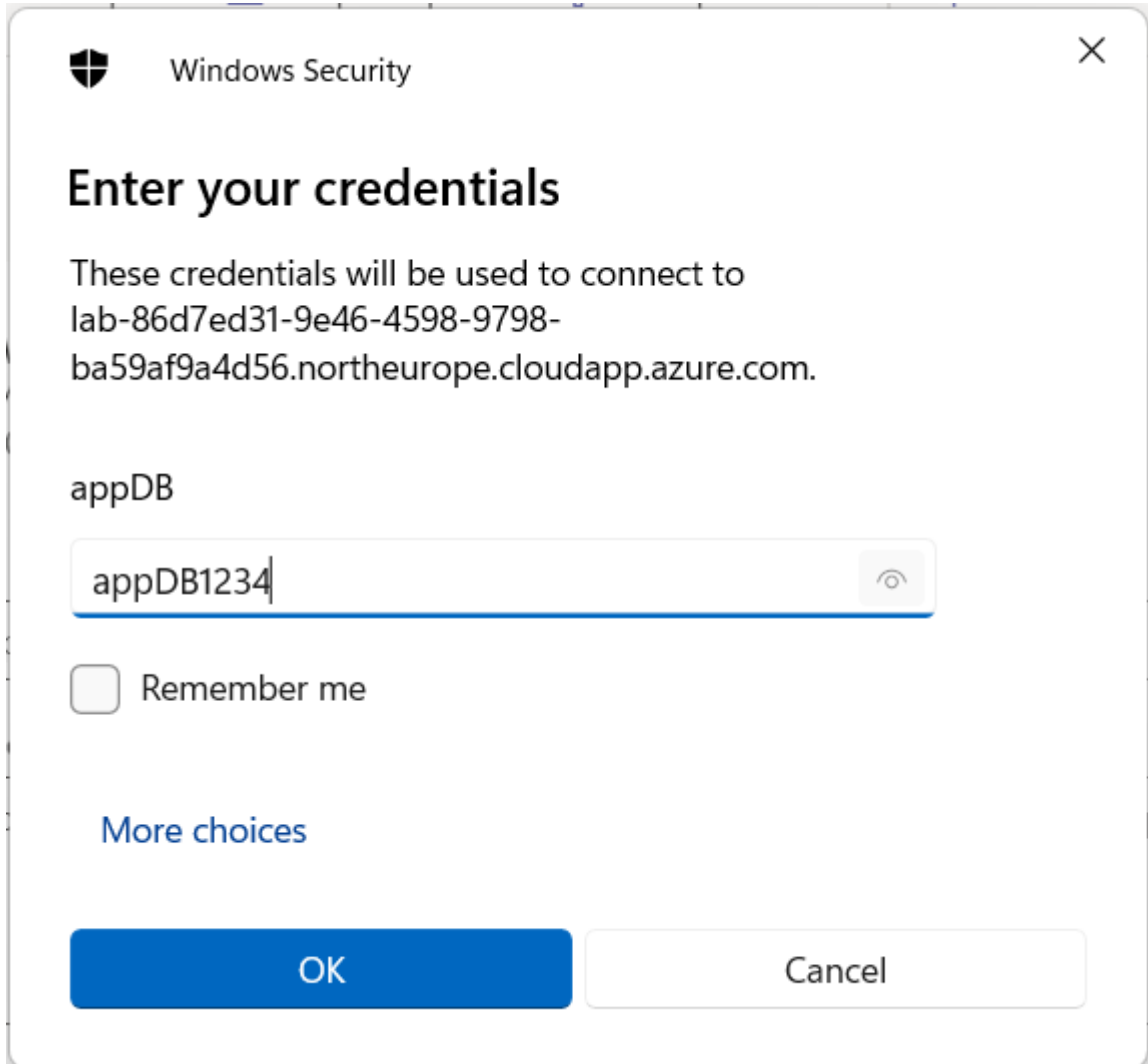
- ...and download RDP (Remote Desktop Protocol) file. This will open a connection to your VM in a window. (You can also connect to your VM via RDP in browser, which will open a connection to your VM in a browser tab, rather than a window).



- Double-click on the downloaded RDP file to run it.  
(If you are using an operating system other than Windows you may have to install extra apps/software to run RDP files. E.g., on MAC you need to install *Microsoft Remote Desktop* app.)
- Click *Connect*.



- Enter password *appDB1234* and press *OK*.



Windows Security

## Enter your credentials

These credentials will be used to connect to  
lab-86d7ed31-9e46-4598-9798-  
ba59af9a4d56.northeurope.cloudapp.azure.com.

appDB

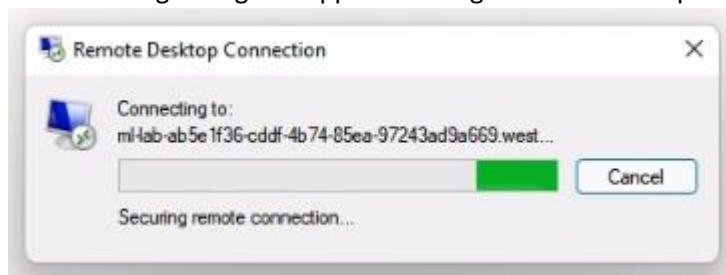
appDB1234

☐ Remember me

[More choices](#)

OK Cancel

- The following dialog box appears during the connection process:

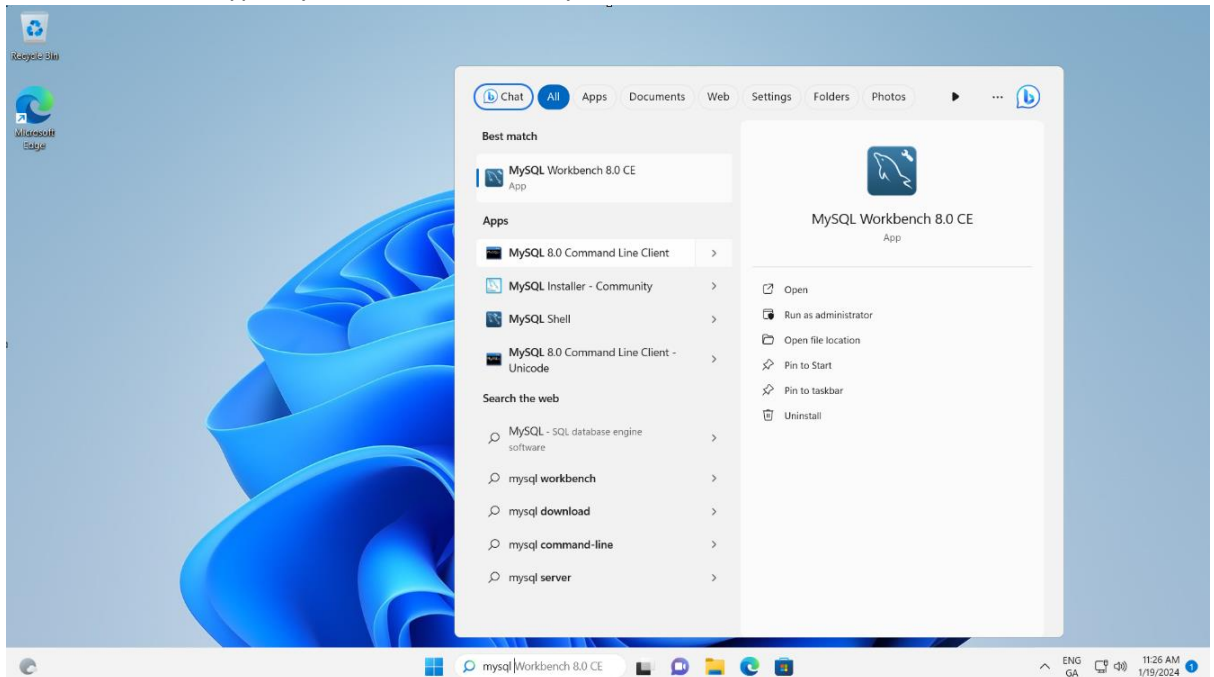


- Finally, click Yes to complete the connection process:

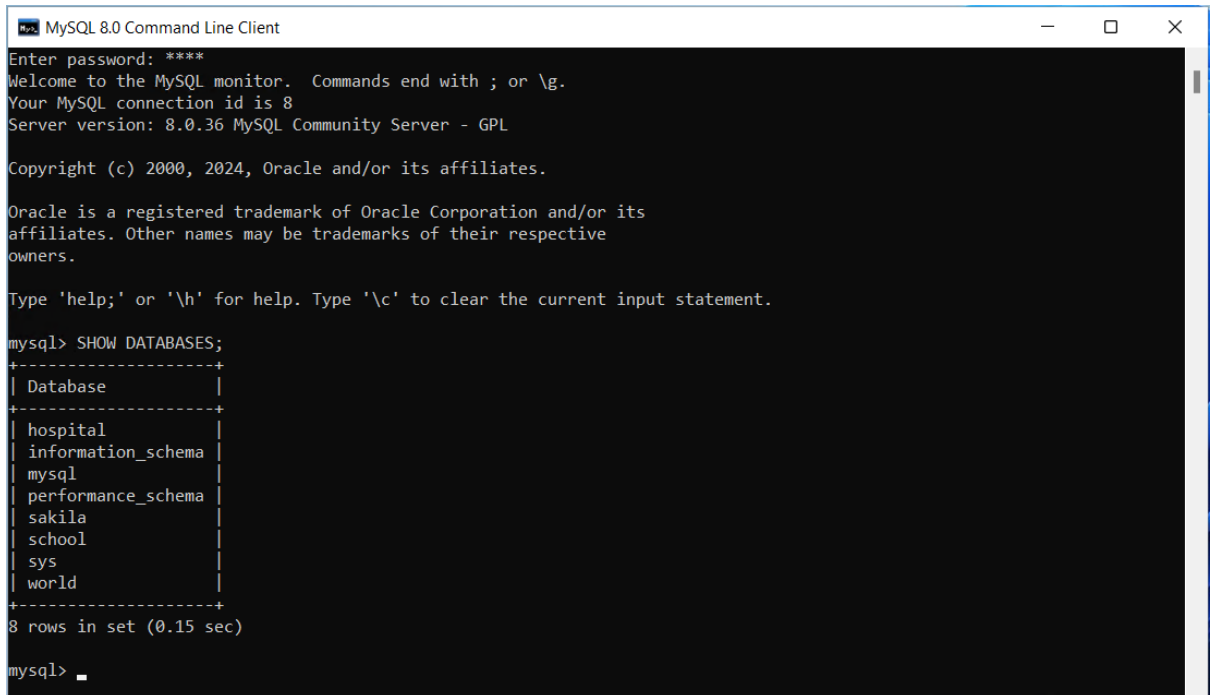


- You are now logged into your VM.

In the search box type *MySQL* and select the *MySQL 8.0 Command Line Client*.



- Enter the password *root* and press enter. Now type the command `show databases;` and press enter. This will show you the initial databases managed by MySQL.



```
MySQL 8.0 Command Line Client
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.36 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> SHOW DATABASES;
+-----+
| Database |
+-----+
| hospital |
| information_schema |
| mysql |
| performance_schema |
| sakila |
| school |
| sys |
| world |
+-----+
8 rows in set (0.15 sec)

mysql> _
```

- Next week we'll start using MySQL.

## Appendix 1 – Software Installed on your VM

- [MySQL Version 8.0.36](#)
- [Neo4j 5.15.0](#)
- [Anaconda 23.11.0](#)