

Applied Databases

Higher Diploma in Data Analytics

Exercise 1 – Connect to your Virtual Machine (VM)

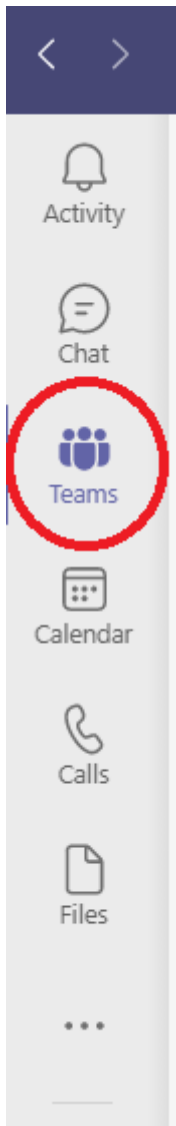
All software that you need for this module has already been installed on your personal Virtual Machine (VM).

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

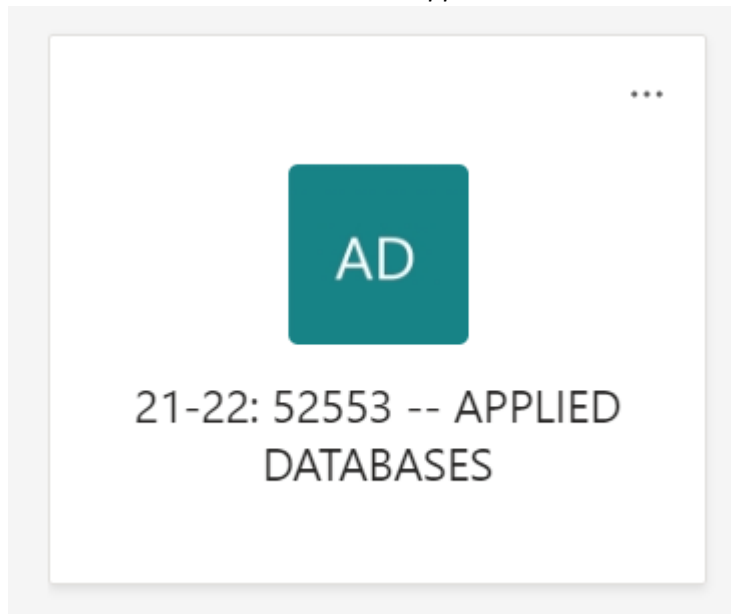
Also be sure to regularly backup your work off the VM, e.g. on OneDrive or your own personal computer.

To access your VM, do the following:

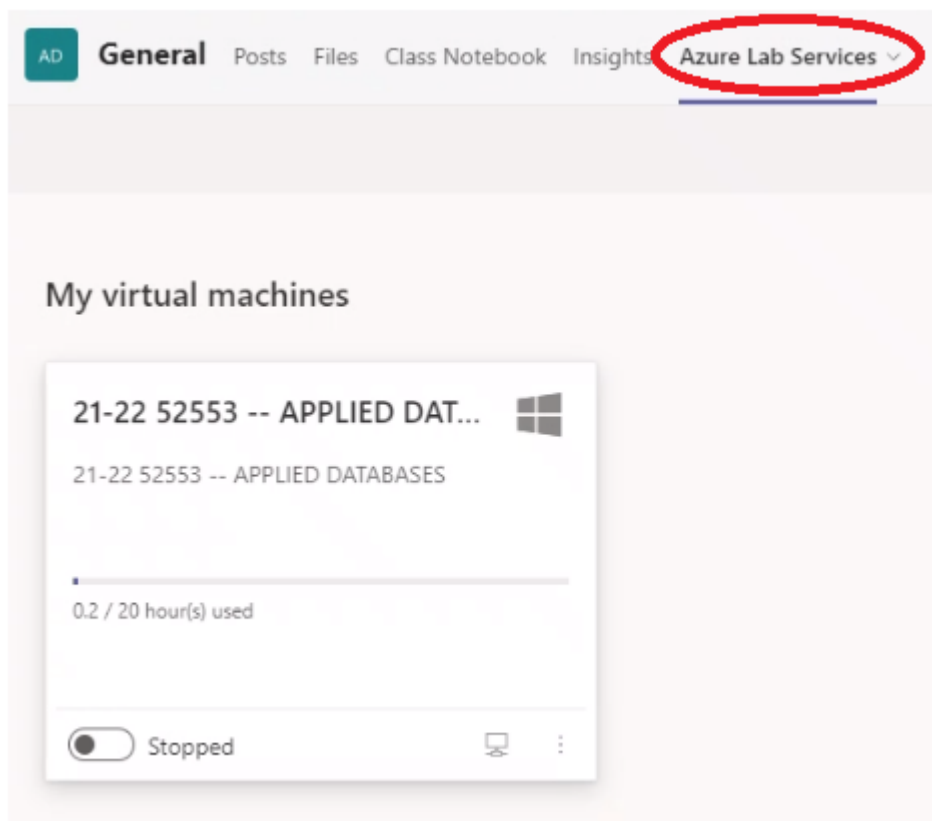
- Go to the *Teams* tab in Microsoft Teams:



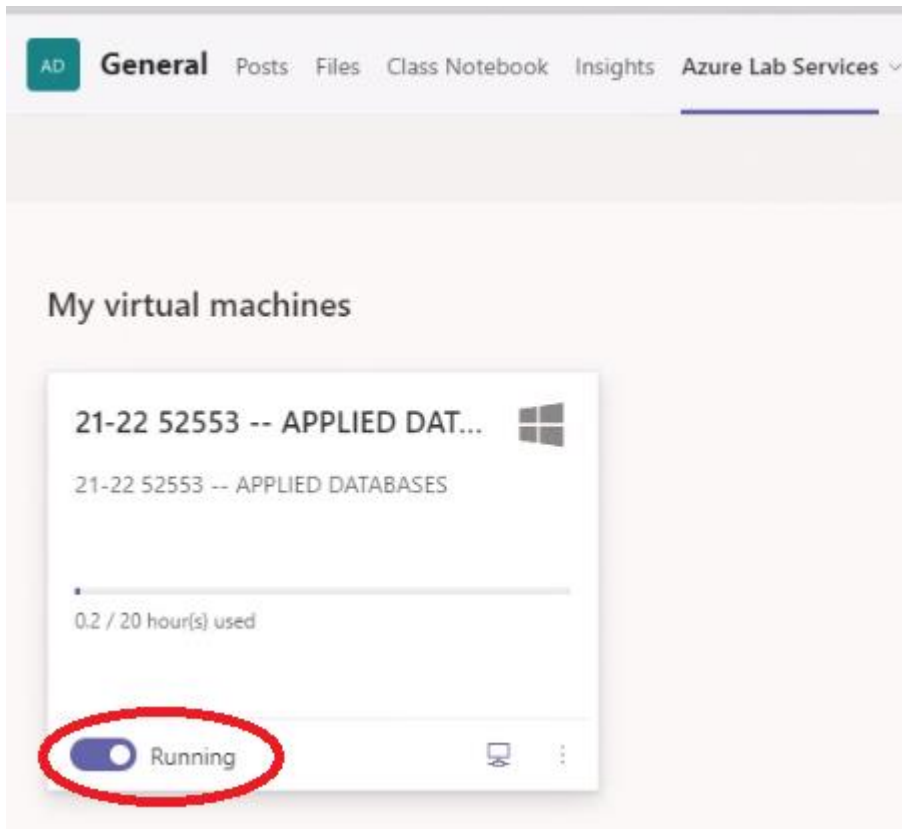
- Click on the Team 21-22: 52553 – *Applied Databases*:



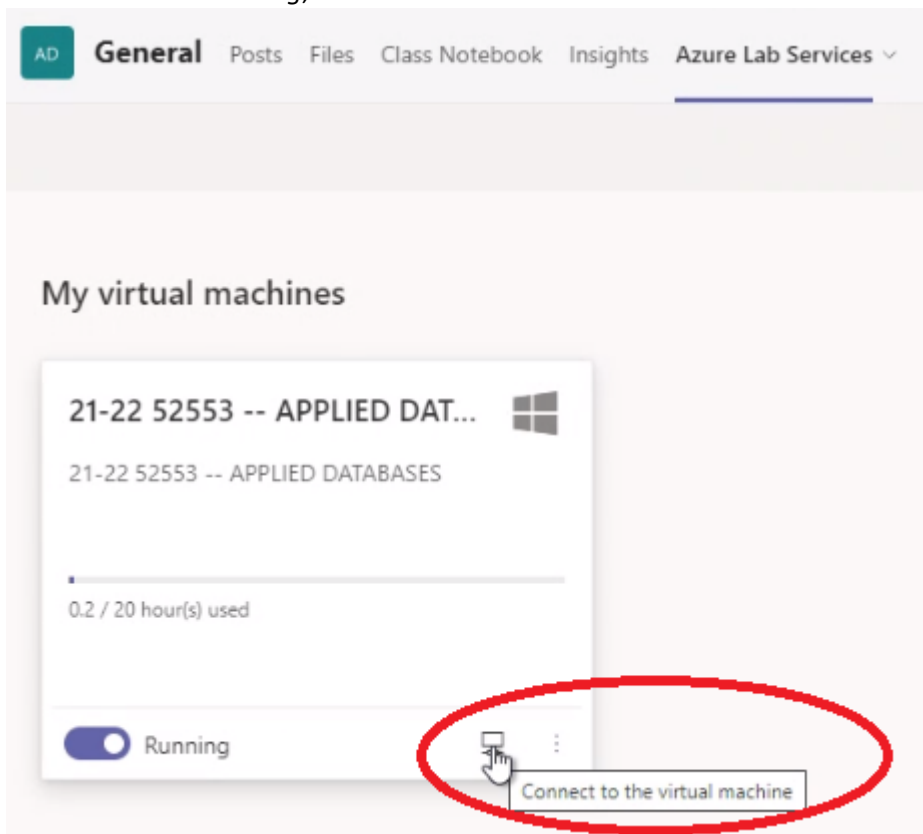
- Click on the *Azure Lab Services* tab:



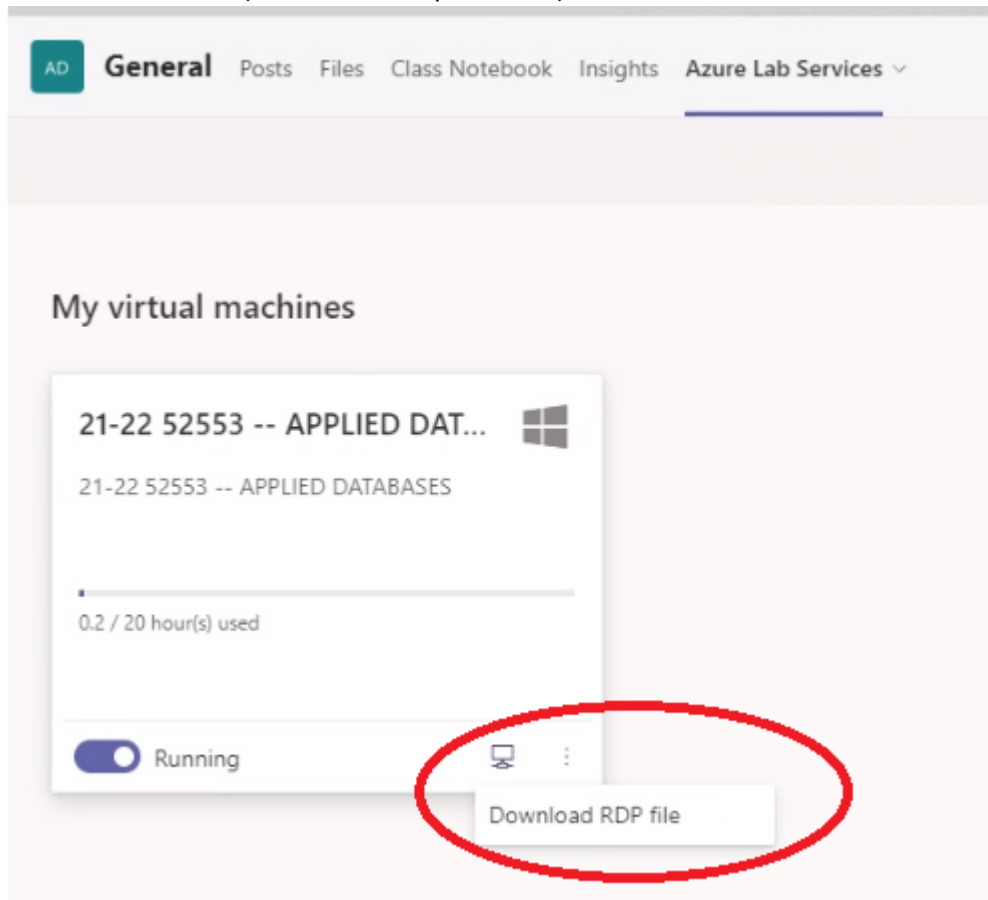
- Turn on the VM as shown:



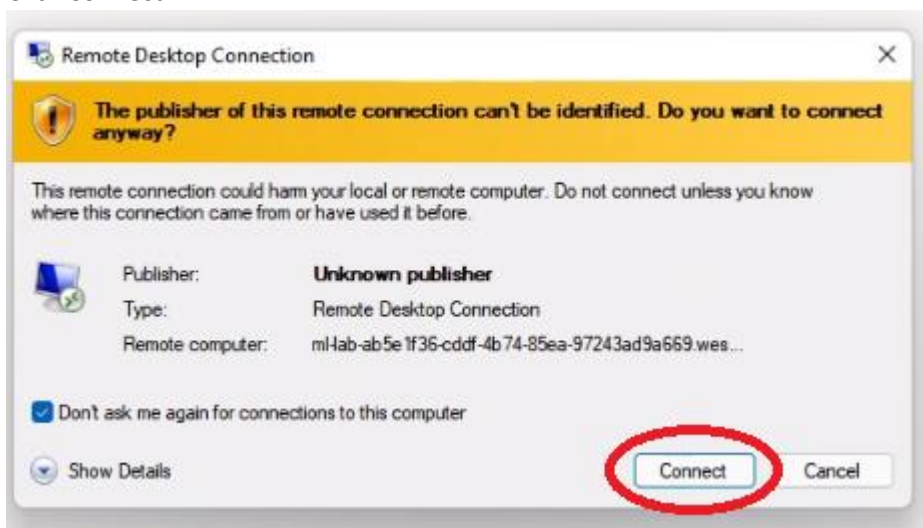
- When the VM is *Running*, connect to the VM as shown:



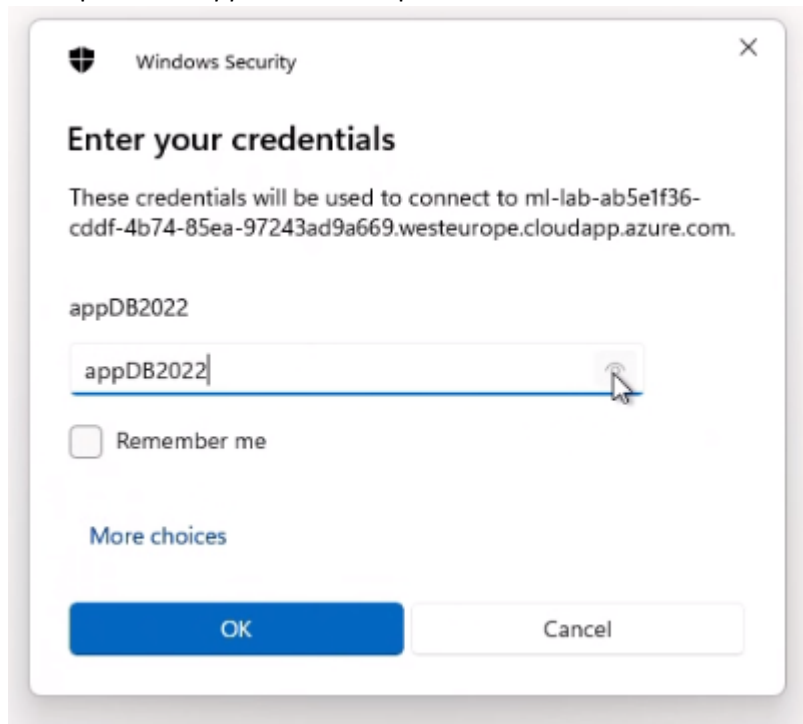
- And download RDP (Remote Desktop Protocol) file.



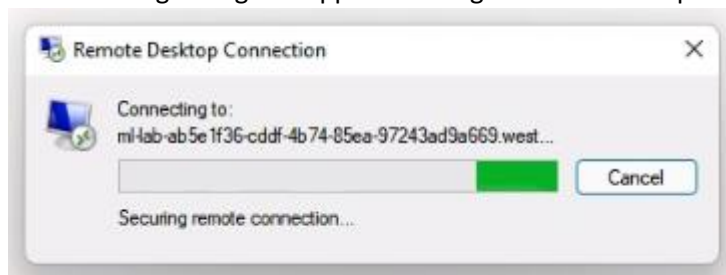
- Double-click on the downloaded RDP file to run it.
(If you are using an operating system other than Windows you may have to install extra apps/software to run RDP files. E.g. on MAC you need to install *Microsoft Remote Desktop* app.)
- Click *Connect*.



- Enter password *appDB2022* and press *OK*.



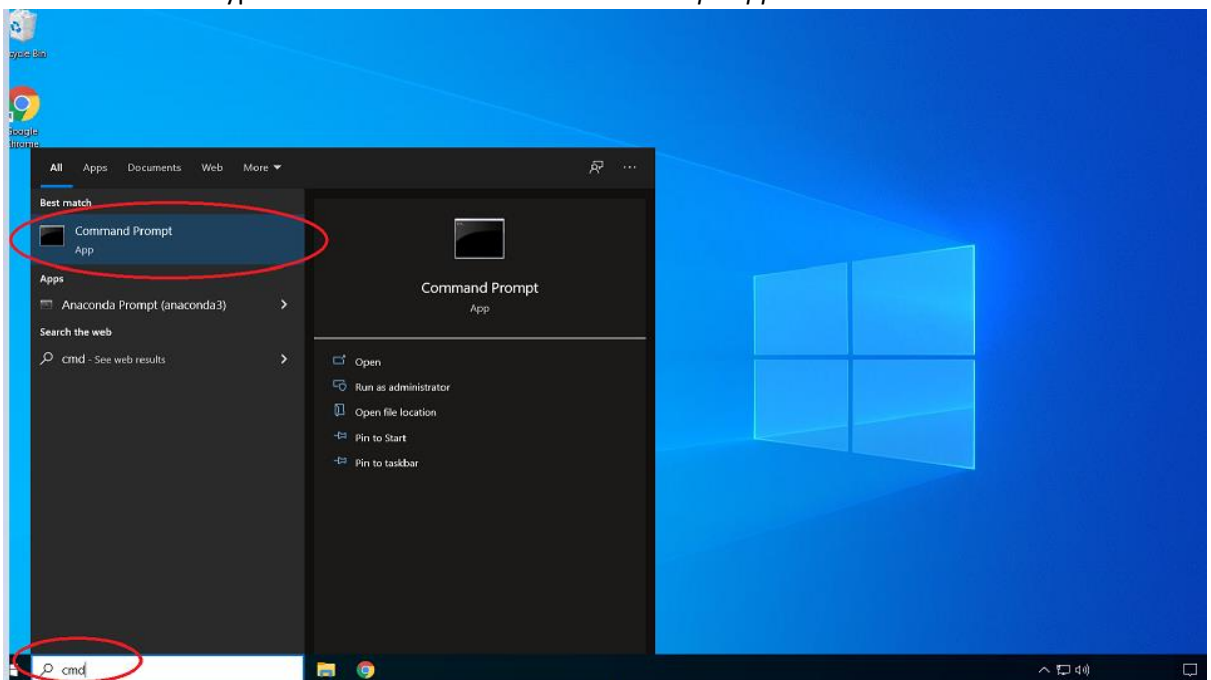
- The following dialog box appears during the connection process:



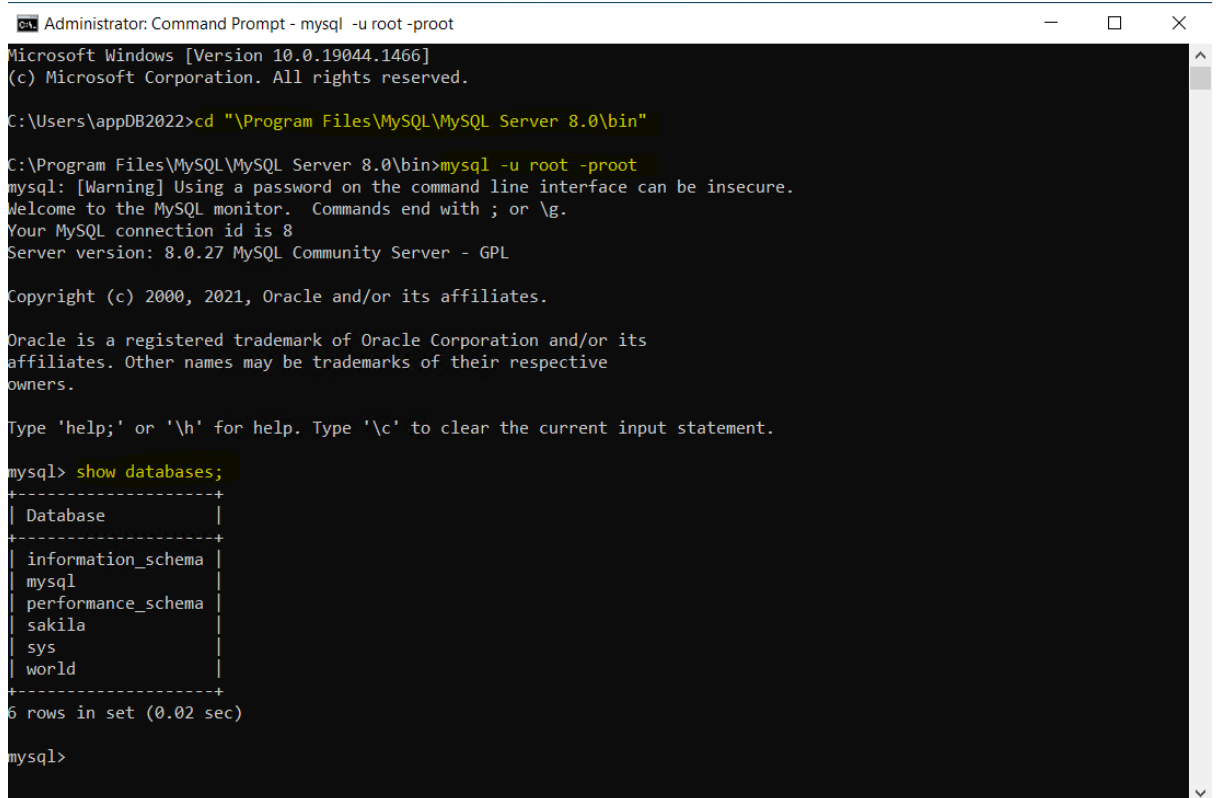
- Finally, click Yes to complete the connection process:



- You are now logged into your VM.
In the search box type `cmd` and select the *Command Prompt App*.



- In the command prompt app type the commands shown below in yellow.
 - The 1st command changes folder you are currently in to the one specified.
 - The 2nd command starts mysql using the username *root* and the password *root*.
 - The 3rd command, which is an SQL command, shows the databases currently managed by MySQL.Currently there are 6 databases. Next week we'll look at getting information from databases.



```
Administrator: Command Prompt - mysql -u root -proot
Microsoft Windows [Version 10.0.19044.1466]
(c) Microsoft Corporation. All rights reserved.

C:\Users\appDB2022>cd "\Program Files\MySQL\MySQL Server 8.0\bin"

C:\Program Files\MySQL\MySQL Server 8.0\bin>mysql -u root -proot
mysql: [Warning] Using a password on the command line interface can be insecure.
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.27 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                |
+-----+
| information_schema       |
| mysql                    |
| performance_schema       |
| sakila                    |
| sys                      |
| world                    |
+-----+
6 rows in set (0.02 sec)

mysql>
```

- Always make sure your VM is running before connecting to it. VMs will automatically shut down after you disconnect.
- An alternative way to access your VM is via <https://labs.azure.com/>.