Connecting to the University Database from Home

How to connect:

1. Create an SSH tunnel in your command line / terminal:
   '*ssh <usercode>@linux.cosc.canterbury.ac.nz -L 3306:db2.csse.canterbury.ac.nz:3306 -N*'
   e.g.
   '*ssh mme88@linux.cosc.canterbury.ac.nz -L 3306:db2.csse.canterbury.ac.nz:3306 -N*'
2. Enter your university password when prompted (keep the command line / terminal open while you want to access the database).
3. Ensure your *.env* file has the variable *'HOST=localhost'* or *'HOST=127.0.0.1'.*

If you encounter an issue:

Trouble Connecting
- If you have MySQL installed on your device ensure it is not running as it can block the port used to connect.
- Ensure that your ssh tunnel is still operating.
- (If you have used a different ssh command) Ensure the database port you are trying to connect on (default 3306) matches the port in the ssh script *'xxxx:db2.csse…'*

Trouble Accessing Database
- Navigate to https://dbadmin.csse.canterbury.ac.nz/, log in and ensure the exact database name you are trying to connect to matches the *.env* file variable *'DATABASE=<database_name>'.*
  - *e.g. 'DATABASE=mme88_s365_lab2'*