Notes for ECS Digital Test Case – 13/03/2017 Chris Rakowski.

What must script do?

1. Check contents of folder containing SQL scripts
2. Identify latest version in folder
3. Check contents of database version table
4. Compare version number in db table against version number in folder
5. If db version is latest end script otherwise identify which scripts need to be run
6. Run relevant scripts
7. Update the db version table to newest version numbers

Pseudo Code for script

Import relevant libraries

Create function Check files

Navigate to folder destination

Iterate through the script version numbers to find the highest number.

Create function Check DB Version

Locate the database and log in (if necessary)

Check the version number table

Comparison logic

If db version number < max version number in folder

Run scripts with version number > db version

Update db version number table

Elif db version number = max version number

End script

Note:

I have given the database in the test case the name “database.db” as no specific name was given.

Without knowing where the script and sql files will be stored, relative to each other and in absolute location on the system, I have tried to make the script as generic as possible.