School of Computing and Mathematical Sciences Web programming 2

Tutorial 8

Introduction to MongoDB

Task 1 – Set up your MongoDB account

With the help of the video on Moodle and the walkthrough from CMS support https://blogs.gre.ac.uk/cmssupport/application-development/databases/mongodb/ set up your account, remember you will need to use your userid in all 3 boxes.

The database details are:

Host: mongo.cms.gre.ac.uk

Port: 27017

Database: userid i.e. ab1234c Username: userid i.e. ab1234c Password: userid i.e. ab1234c

Task 2: MongoDB tutorials

Refer to slide 6 of the 2nd lecture.

Go to https://studio3t.com/academy/courses/mongodb-101-getting-started/

From the right-hand menu complete the following tasks:

https://studio3t.com/academy/lessons/introduction-to-mongodb/

https://studio3t.com/academy/lessons/mongodb-basics/
https://studio3t.com/academy/lessons/aggregation-in-mongodb/
https://studio3t.com/academy/lessons/mongodb-import-export/
Topics 1 and 2

The files you need are also on Moodle or you can download them from the tutorial site.

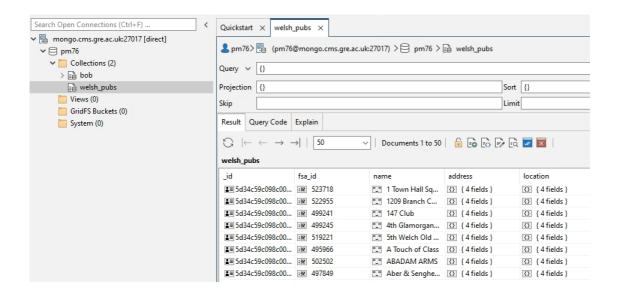
Task 2 is part of your assessment. It is worth up to 5%, append it to your report.

Below are the **4 screen shots you need to provide** for this week and which exercise they are for Do not create a new database as the instructions say and do not drop any database as it suggests, we are not dropping databases!!!!

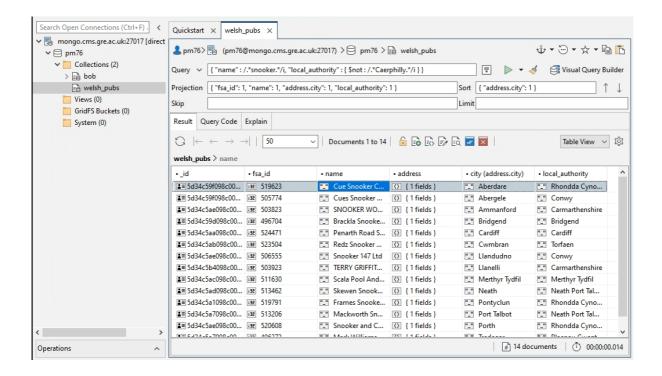
Just do everything in the main collection folder in your named database.

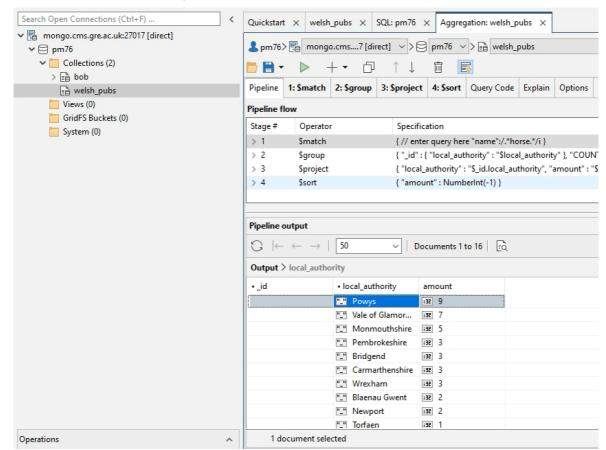
End of lesson 4 exercise 1 – note I created the new collection in my pm76 database

I need to see your userid as your database name on the left and the welsh pubs collection tab



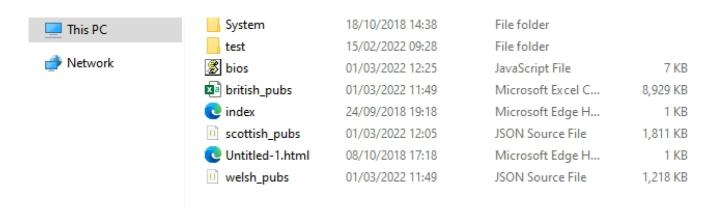
End of lesson 4 exercise 3 – note it is showing 14 documents at the bottom of the window.





End of lesson 5 exercise 3, I can see a list of local authorities with an amount column

End of lesson 6 exercise 2 – if you do exercise 1 and 2 here you will end up with an exported Scottish pubs JSON file as shown below.



In addition to these 4 screen shots provide a 200-300 word explanation of what you have understood about NoSQL and MongoDB.