# CS621 Self Assessment Week 2 – Assignment 3

**Thursday 3ʳᵈ October 2019**
**There are NO marks or credits for this assignment. SQL Answers will be available on Moodle next week.**

Using the **Week2_CS621_Database.sqlite** database complete the following SQL queries in the DB Browser for SQLite.

**QUESTION 1**

Write an SQL Query to find sensor observations made in the Country Jersey where the temperature is less than zero

**QUESTION 2**

Write an SQL Query to find all sensor observations where the observation was made during March 2019 and the sensor pressure is greater or equal to 990.

**QUESTION 3**

Write an SQL Query to find all sensor observations where the checkCode contains the characters C and S. These two characters must be together and must be either both uppercase or lowercase.

**QUESTION 4**

Write an SQL Query to find all sensor observations made in on the Isle of Man where the sensorTemp is an even number greater than 10?

**QUESTION 5**
Write an SQL query to find all sensor observations where the checkCode is either three or four characters long?

**QUESTION 6**
Write an SQL query to find all sensor observations where the checkCode begins with a capital letter C and the checkCode is at least four characters in length? It does not matter what the other characters are in the checkCode [ANS 76 rows returned]

**QUESTION 7**
Write an SQL query to find the sensorTemp and sensorPressure in the country Scotland anytime during the year 2018.  Provide the checkCode of the sensor observation belonging to the 2ⁿᵈ observation made in Scotland during this time period. What are the sensorTemp and sensorPressure during this time?
**ANSWER** checkCode M525JT2674H, temp 15, pressure 997