**Lab: 7**

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| **Problem statement(s)**  **EX1**: Load data from text files into the database.  **EX2:** Select and display data from the ‘custid’, ‘name’ and ‘email’ columns from the ‘customers’ table and put this code in a try, catch block.  **EX3:** Print all details of orders within the price range of £10-£40. |

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| **Program description(s)**  **EX1:** The ‘cust.txt’ and ‘orders.txt’ data was loaded into the database by following the provided code.  **EX2:** I selected all information from the ‘customers’ table and created a result set from the query. I then iterated through the result set using a while loop and printed out each column of data.  **EX3:** I selected all information from the ‘orders’ table and created a result set from the query. For each result in the set, I checked that the value in column four, which represented the order total, was in the inclusive £10-£40 range. If it was in the range, I then printed the rest of the corresponding data and if it was not in the range it was ignored. |

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| **Test description**  Trying to run it with and without the database running. Making sure all results displayed were correct in the £10-£40 by manually comparing them to the ‘orders’ text file. |
| **Known bugs**  - |
| **Possible improvements**  Print customer name not just their order info if they have an order in the £10-£40 range. |
| **Comments**  Had some trouble setting this up on my home PC but once it was up running it worked well. Also, I had never used a data base integrated with my program, so I learnt a lot doing this lab exercise. |
| **Extra credit**  Printed out the names instead of order info of customers who had orders in the £10-£40 range using an ‘INNER JOIN’. |
| **References**  **-** |