Week03 - Testing Database

SQL to check the tables

Q1. Check that each table will display the output presented in the individual tables

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| Code | Expected Output (Comment) | Actual Output (Screenshot) |
| Select \*  From customer; | All records display (10 records) |  |
| Select \*  From ordering; | All records display (10 records) |  |
| Select \*  From ‘order\_item’; | All records display (10 records) |  |
| Select \*  From outlet; | All records display (10 records) |  |
| Select \*  From payment; | All records display (10 records) |  |
| Select \*  From staff; | All records display (10 records) |  |

Q2. Show the output from two of the adjacent tables in turn – that is orders and item; users and item

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| Code | Expected Output (Comment) | Actual Output (Screenshot) |
| Select \*  From customer, ordering  Where  customer. customer\_id = ordering.customer\_customer\_id  ; | All records display (10 records) |  |
| Select \*  From ordering, order\_item  Where  ordering. item\_no = order\_item.item\_no  ; | All records display (10 records) |  |

Q3. Connect all three tables and display the output that shows the output from these three tables – customer, ordering and item.

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| Code | Expected Output (Comment) | Actual Output (Screenshot) |
| Select \*  From customer, ordering, order\_item  Where  customer.customer\_id = ordering.customer\_customer\_id AND ordering.item\_no = order\_item.item\_no; | All records display (10 records) |  |

Q4. Create a query that will show the customer and items – so link these two

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| Select customer.customer\_id, customer.customer\_surname, customer.customer\_firstname, ordering.order\_item  From customer  INNER JOIN ordering  ON customer. customer\_id = ordering.customer\_customer\_id  ; | All records display (10 records) |  |

Q5. A manager wants to show a catalog of the items in the system – but only the following attributes showing: customer\_id, customer\_name, item\_price

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| -- customer\_id, customer\_name, item\_price  SELECT customer.customer\_id, concat(customer.customer\_firstname , ' ', customer.customer\_surname) AS customer\_name, payment.payment\_amount AS item\_price  FROM customer  INNER JOIN payment  ON customer.customer\_id = payment.customer\_customer\_id; |  |  |
| -- customer\_id, customer\_name, item\_price  SELECT customer.customer\_id, concat(customer.customer\_firstname , ' ', customer.customer\_surname) AS customer\_name, payment.payment\_amount AS item\_price  FROM customer  INNER JOIN payment  ON customer.customer\_id = payment.customer\_customer\_id  ORDER BY item\_price DESC  ; | Alternative to above |  |