MySQL – Table Relationship design build

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Week03 - Testing Database

SQL to check the tables

EVIDENCE REQUIREMENT

1. A COPY OF THE SQL CODE THAT COMPLETES EACH OF THE REQUESTED QUERIES
2. THE OUTPUT SHOWING THE RESULT FROM RUNNING THE QUERIES – USE SNIPPING TOOL TO SHOW THE OUTPUT

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

**Customer Table:**

SQL Code:

SELECT \* FROM customers;

Total number of records = 100

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**Staff Table**

SQL Code:

SELECT \* FROM staff;

Total number of records = 60

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**Outlet table:**

SQL Code:

SELECT \* FROM outlet;

Total number of records = 10

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**Order Table:**

SQL Code:

SELECT \* FROM ordering;

Total number of records = 50

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**Payment Table:**

SQL Code:

SELECT \* FROM payment;

Total number of records: 50

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**Items table:**

SQL Code:

SELECT \* FROM items;

Total number of records = 19

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**Menu table**

SQL Code:

SELECT \* FROM menu;

Total number of records: 3

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Q2. Show the output from two of the adjacent tables in turn – that is order and customer; staff and order.

**Customers & Ordering Table:**

**Customer Table:**

SQL Coding:

SELECT \* FROM customers JOIN ordering on customers.customer\_id = ordering.customer\_id;

Total number of records = 50

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**Order Table:**

SELECT \* FROM ordering JOIN customers on ordering.customer\_id = customers.customer\_id;

Total number of records: 50

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**Ordering & Staff table**

**Staff Table**

SQL Code:

SELECT \* FROM staff JOIN ordering ON staff.staff\_id = ordering.staff\_id;

Total number of records = 50

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**Ordering Table**

SQL Code:

SELECT \* FROM ordering JOIN staff ON ordering.staff\_id = staff.staff\_id;

Total number of records = 50

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

SQL Code

SELECT \* FROM customer JOIN ordering ON customer.customer\_id = ordering.customer\_id JOIN staff ON staff.staff\_id = ordering.staff\_id;

Total number of records = 50

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Q4. Create a query that will show the customer and payment – so link these two tables and produce the output.

SQL code:

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM customers JOIN payment ON customers.customer\_ID = payment.customer\_id;

Total number of records = 50

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Q5. A manager wants to show a catalogue of the items in the system and their quantities.

SQL Coding:

SELECT \* FROM Items

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