**Danny’s 8 Week SQL Challenge**

**Case Study #1 – Danny’s Diner**

Q1- What is the total amount each customer spent at the restaurant?

The total amount each customer spent at the restaurant are as shown. Customer with id of A spent $76, customer with id B spent $74, and customer with id C spent $36.

Table

Description automatically generated

Q2- How many days has each customer visited the restaurant?

Customer A has visited 4 different days. Customer B has visited 6 different days. Customer C has visited 2 different days.

Table

Description automatically generated

Q3- What was the first item from the menu purchased by each customer?

The first item customer A bought from the menu was Sushi and Curry. The first item customer B bought from the menu was curry. And the first item customer C bought from the menu was ramen, two of them to be exact.

Table

Description automatically generated

4. What is the most purchased item on the menu and how many times was it purchased by all customers?

Ramen was the most purchased item on the menu. Both Customer A and C purchased ramen three times, while customer B purchased ramen two times.

A picture containing table

Description automatically generated

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Description automatically generated

5. Which item was the most popular for each customer?

Customer A bought ramen the most. Customer C bought ramen the most. Customer B bought all items on the menu the same number of times.

Table

Description automatically generated

6. Which item was purchased first by the customer after they became a member?

The first item purchased by customer A after they became a member was curry. The first item purchased by customer B after they became a member was sushi.

A picture containing graphical user interface

Description automatically generated

7. Which item was purchased just before the customer became a member?

The last item purchased before becoming a member was curry for customer A and sushi for customer B.

Text

Description automatically generated with low confidence

8. What is the total items and amount spent for each member before they became a member?

Customer B bought three items and spent $40 before they became a member. Customer A bought two items and spent $25 before they became a member.

Graphical user interface, application

Description automatically generated9. If each $1 spent equates to 10 points and sushi has a 2x points multiplier – how many points would each customer have?

Customer B has 940 points, Customer A has 860 points, and Customer C has 360 points.

Background pattern, table

Description automatically generated with medium confidence

10. In the first week after a customer joins the program (including their join date) they earn 2x points on all items, not just sushi – how many points do customer A and B have at the end of January?

Customer A has 1370 points. Customer B has 820 points.

Background pattern

Description automatically generated