Assignment: Understanding LEFT JOIN

Question 1:

Imagine you are tasked with retrieving a list of all restaurants and their menu items. Some restaurants may not have any menu items yet. Write an SQL query that performs a LEFT JOIN between the "Restaurant_info" and "MenuItems" tables to achieve this. Your query should include the restaurant name and the name of the menu items, if available.

Solution:

SELECT * FROM RESTAURANT_INFO A

LEFT JOIN MENUITEMS B

ON A.RESTAURANT_ID = B.ITEM_ID

WHERE B.AVAILABILITY != 0;

Question 2:

Extend the previous query to include the restaurant's contact number and the availability status of each menu item. If a restaurant does not have any menu items, display "No Menu Items" in the menu item column.

Solution:

SELECT A.NAME, A.CONTACT_NUMBER, CASE WHEN B.NAME IS NULL THEN 'No Menu Items' ELSE B.NAME

END AS MENUITEMS_NAME, B.AVAILABILITY

FROM RESTAURANT_INFO A

LEFT JOIN MENUITEMS B

ON A.RESTAURANT_ID = B.ITEM_ID;