

## 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..

### Answer 1

```
SELECT
    R.name,
    M.name
FROM
    Restaurant_info R
LEFT JOIN
    MenuItems M
ON
    R.restaurant_id = M.restaurant_id;
```

**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.

### Answer 2

```
SELECT
    R.name,
    R.contact_number,
    M.availability,
    COALESCE(M.name, "No Menu Items") as "menu item"
FROM
    Restaurant_info R
LEFT JOIN
    MenuItems M
ON
    R.restaurant_id = M.restaurant_id;
```