Title: DB Assignment 2
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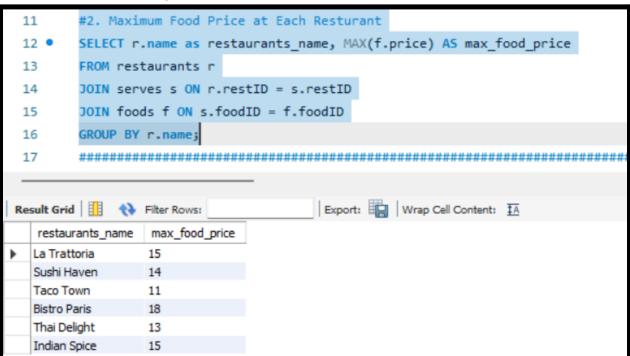
Date: 9/26/2024

Problem 1. Finding the Average price of food at each restaurant

```
3
       #1. Avg. price of food at each resturant
       SELECT r.name as restaurants_name, AVG(f.price) AS avg_food_price
       FROM restaurants r
       JOIN serves s ON r.restID = s.restID
       JOIN foods f ON s.foodID = f.foodID
       GROUP BY r.name;
       10
       #2. Maximum Food Price at Each Resturant
 11
       SELECT r.name as restaurants_name, MAX(f.price) AS max_food_price
 13
       FROM restaurants r
 14
       JOIN serves s ON r.restID = s.restID
       JOIN foods f ON s.foodID = f.foodID
15
                                  Export: Wrap Cell Content: IA
Result Grid
           Filter Rows:
               avg_food_price
  restaurants_name
               13.5
  La Trattoria
  Sushi Haven
               12
  Taco Town
               9.5
  Bistro Paris
               13.5
  Thai Delight
               12
  Indian Spice
               13.5
```

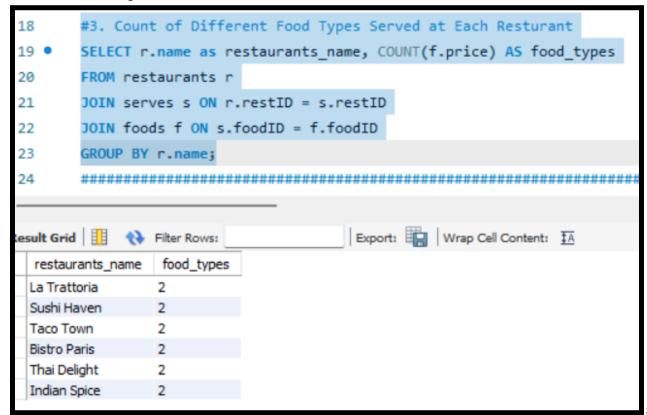
By joining together the restaurant, serves, and food tables, we look through all foods being sold and compare their prices to each other, by then getting the average of each individual food with AVG(f.price)

Problem 2. Finding the maximum price of food at each restaurant



Similar to Problem 1, we again join the tables, but instead, we apply the MAX function to calculate the highest price between all the restaurants.

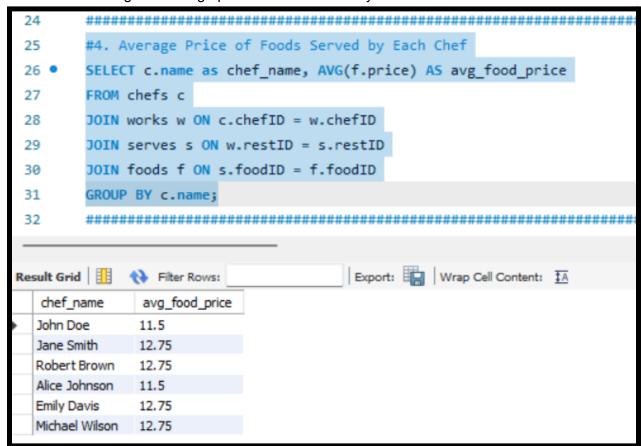
Problem 3. Finding the different counts of food served at each restaurant



again, similar to

Problem 1 and 2, we again combine tables but then use the COUNT method to get the count of the # of different types of foods.

Problem 3. Finding the average price of foods served by each chef



We join the chef,

works, restaurants, serves, and foods tables to get food prices that are associated with each chef. The query groups the results by chef ID and computes the average food price for each chef.

Problem 5. Finding the Restaurant with the highest average food price.

```
#5. Find the Resturant with the Highest Average Food Price
33
34 •
        SELECT r.name as restaurants name, AVG(f.price) AS avg food price
         FROM restaurants r
35
        JOIN serves s ON r.restID = s.restID
36
37
        JOIN foods f ON s.foodID = f.foodID
         GROUP BY r.name
38
        ORDER BY avg_food_price DESC
39
         LIMIT 1;
40
41
42
                                          Export: Wrap Cell Content: TA Fetch rows:
Result Grid
              Filter Rows:
  restaurants_name
                   avg_food_price
  La Trattoria
                  13.5
```

All I did was copy the code from Problem 1, then I ordered the list by descending to give me the highest number, then I used the limit command to just give me 1.