**DAX**

1. In the Restaurant table, add a column that gets the country name from the Country Details table (Hint: Use RELATED fun)
2. Create a new measure for a running total of Rating\*Votes.
3. Create a new measure for a running avg of Rating\*Votes.
4. Create a new measure for counting distinct Restaurant IDS
5. Create a new column that displays the sum of Votes if Country is India otherwise it displays the avg aggregate rating
6. Create a new column that calculates the SUM of Votes if Rating Colour =”White” or Currency is “Dollor$” or Cuisine includes “Thai”. (Hint: Use CONTAINSTRING Fun)
7. Create a new calculated table displays the Avg “aggregate rating”, sum of “Votes” and maximum “Price for two” for each country.
8. Create a new column “Discounted Price” that calculates the price after applying discount on the “Average Cost for two” column. Use variables for creating this column.

If Price Range = 4, the discount should be 20%.

If Price Range = 3, the discount should be 15%.

If Price Range = 2, the discount should be 10%.

Otherwise the discount should be 5%.

**Visuals**

1. Merge the two tables using Power Query or DAX
2. To understand which city is most expensive for food, plot a column chart which shows the avg cost for two for each city.
3. In the dataset, we need to see which city contributes to what % of the total number of restaurants. Plot a chart for the same. Which city has the most number of restaurants in this dataset?
4. For each cuisine (cuisine combination), plot the total number of votes. Cluster the bar/column chart by the Rating color. This means that in each cluster of cuisine, there will be multiple bars/columns-one for each rating colour.
5. Create a slicer for the country name and a slicer for city.
6. On a map, plot the number of restaurants in each country. A country with more restaurants should have a larger bubble size. Each bubble should show the split of rating colour.
7. Create a matrix for average cost for each cuisine. Each currency should have a separate column in the matrix.
8. We want to see on average which country has highest average aggregate rating along with the number of restaurants in each country. Create a combination chart for the same. The column legend should be Currency.
9. Create cards for total votes, number of restaurants, number of cities and average aggregate rating.