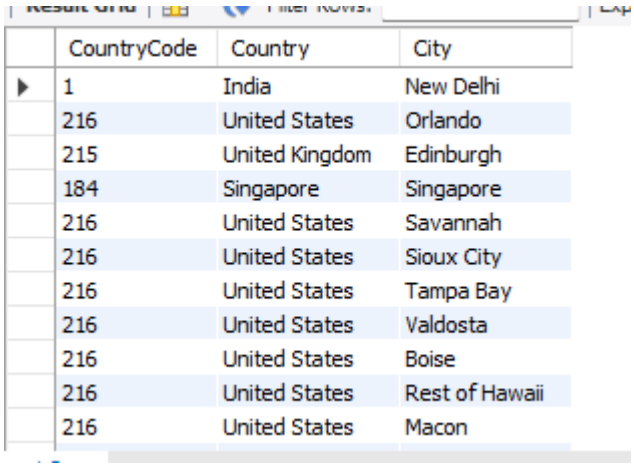
ZOMATO RESTAURANT ANALYTICS PROJECT

1. Build a country Map Table

```
SELECT DISTINCT c.CountryCode,c.Country, z.City
FROM country c  JOIN zomata z
ON c.CountryCode = z.CountryCode;
```



CountryCode	Country	City
1	India	New Delhi
216	United States	Orlando
215	United Kingdom	Edinburgh
184	Singapore	Singapore
216	United States	Savannah
216	United States	Sioux City
216	United States	Tampa Bay
216	United States	Valdosta
216	United States	Boise
216	United States	Rest of Hawaii
216	United States	Macon

2. Build a Calendar Table using the Column Datekey

```
select datekey, year(datekey)Year , month(datekey)MonthNo , monthname(datekey)MonthName,
quarter(datekey)Qtr , DATE_FORMAT(datekey, '%Y-%b') AS YearMonth , weekday(datekey)WeekdayNo,
dayname(datekey)WeekdayName , if(month(datekey)>=4,month(datekey)-3 ,
month(datekey)+9)FinancialMonth ,
if(month(datekey)between 4 and 6,"FQ-1",
if(month(datekey)between 7 and 9,"FQ-2",
if(month(datekey)between 10 and 12,"FQ-3","FQ-4"))) FinancialQuarter
FROM Zomata;
```

datekey	Year	MonthNo	MonthName	Qtr	YearMonth	WeekdayNo	WeekdayName	FinancialMonth	FinancialQuarter
2013-09-21	2013	9	September	3	2013-Sep	5	Saturday	6	FQ-2
2016-09-10	2016	9	September	3	2016-Sep	5	Saturday	6	FQ-2
2018-09-25	2018	9	September	3	2018-Sep	1	Tuesday	6	FQ-2
2018-09-06	2018	9	September	3	2018-Sep	3	Thursday	6	FQ-2
2013-09-17	2013	9	September	3	2013-Sep	1	Tuesday	6	FQ-2
2018-09-03	2018	9	September	3	2018-Sep	0	Monday	6	FQ-2
2011-09-16	2011	9	September	3	2011-Sep	4	Friday	6	FQ-2
2014-09-21	2014	9	September	3	2014-Sep	6	Sunday	6	FQ-2
2012-09-09	2012	9	September	3	2012-Sep	6	Sunday	6	FQ-2
2014-09-21	2014	9	September	3	2014-Sep	6	Sunday	6	FQ-2
2012-09-24	2012	9	September	3	2012-Sep	0	Monday	6	FQ-2

3.Find the Numbers of Resturants based on City and Country.

```
select count(z.RestaurantID) TotalRestaurents, z.City, c.Country
 from zomata z join country c
 on c.CountryCode=z.CountryCode GROUP BY 2,3 order by 1 asc;
```

TotalRestaurents	City	Country
1	Princeton	United States
1	Vineland Station	Canada
1	Paynesville	Australia
1	Mohali	India
1	Panchkula	India
1	Miller	United States
1	Ojo Caliente	United States
1	Vernonia	United States
1	Lakeview	United States
1	Fernley	United States
1	Mc Millan	United States

4.Numbers of Resturants opening based on Year , Quarter , Month

```
select count(restaurantID)TotalRestaurents, year(datekey)Year,
concat("Q-", quarter(datekey))Qtr,monthname(datekey)MonthName
from zomata group by 2,3,4 order by 2 asc;
```

TotalRestaurents	Year	Qtr	MonthName
77	2010	Q-1	February
83	2010	Q-1	January
90	2010	Q-1	March
91	2010	Q-2	April
89	2010	Q-2	June
77	2010	Q-2	May
97	2010	Q-3	August
96	2010	Q-3	July
90	2010	Q-3	September
91	2010	Q-4	December
103	2010	Q-4	November

5. Count of Resturants based on Average Ratings

```
select count(RestaurantID)TotalRestaurents,
if(Rating<2,"Below 2",if(Rating<3,"2 To 3",if(Rating<4,"3 To 4", "4 To 5") ))RatingBucket
from zomata group by 2;
```

TotalRestaurents	RatingBucket
2148	Below 2
3480	4 To 5
3737	3 To 4
186	2 To 3

6. Create buckets based on Average Price of reasonable size and find out how many resturants falls in each buckets

```
select count(RestaurantID)TotalRestaurents,
if (Average_Cost_for_two<=1000,"Low",if (Average_Cost_for_two<=3000,"Medium",
if (Average_Cost_for_two<=7000,"High","Premium")))PriceBucket
from zomata GROUP BY 2;
```

TotalRestaurents	PriceBucket
8376	Low
1071	Medium
22	Premium
82	High

7.Percentage of Resturants based on "Has_Table_booking"

```
select Has_Table_booking as "Table-Booking",
concat(round(count(*)*100/(select count(*) from zomata),2),"%")"Booking%" from zomata GROUP BY
1;
```

Table-Booking	Booking%
No	87.88%
Yes	12.12%

8.Percentage of Resturants based on "Has_Online_delivery"

```
select Has_Online_delivery as "Online-Delivery",
concat(round(  count(*)*100/(select count(*) from zomata),2),"%")"Deliver%" from zomata
group by 1;
```

Online-Delivery	Deliver%
No	74.34%
Yes	25.66%

9. Develop Charts based on Cusines, City, Ratings

Top 10 cuisines By Restaurents

```
select count(RestaurantID)TotalRestaurents,Cuisines
from zomata GROUP BY 2 order by 1 desc limit 10 ;
```

TotalRestaurents	Cuisines
936	North Indian
511	North Indian, Chinese
354	Fast Food
354	Chinese
334	North Indian, Mughlai
299	Cafe
218	Bakery
197	North Indian, Mughlai, Chinese
170	Bakery, Desserts
149	Street Food

Top 5 Cities By Restaurents

```
select  count(RestaurantID)TotalRestaurents,city
from zomata GROUP BY 2 order by 1 desc limit 5 ;
```

	TotalRestaurents	city
▶	5473	New Delhi
	1118	Gurgaon
	1080	Noida
	251	Faridabad
	25	Ghaziabad

Rating Wise TotalRestaurents

```
select  count(RestaurantID)TotalRestaurents,rating
from zomata GROUP BY 2;
```

	TotalRestaurents	rating
▶	2148	1
	3179	4
	3737	3
	301	5
	186	2

Top 3 Countries By Restaurents

```
select  count(z.RestaurantID)TotalRestaurents,c.country
from zomata as z join country as c
on z.CountryCode=c.CountryCode
group by 2  order by 1 desc limit 3;
```

	TotalRestaurents	country
▶	8652	India
	434	United States
	80	United Kingdom