CREATE DATABASE Zomato;

Use Zomato;

CREATE TABLE Zomato\_rest(

name varchar(500),

online\_order varchar(10),

book\_table varchar(10),

rate FLOAT,

votes INT,

rest\_type varchar(100),

dish\_liked varchar(500),

cuisines varchar(500),

avg\_cost INT,

meal\_type varchar(50),

city varchar(100)

);

SELECT \* FROM Zomato\_rest;

/\*No. of restaurants having the option for online ordering\*/

SELECT count(online\_order) as Total, sum(online\_order = 'Yes') as YES, (sum(online\_order = 'Yes'))/(count(online\_order))\*100 as `Yes %`,

sum(online\_order = 'No') as NO, (sum(online\_order = 'No'))/(count(online\_order))\*100 as `No %`

FROM Zomato\_rest;

/\*No. of restaurants having the option to book a table\*/

SELECT count(book\_table) as Total, sum(book\_table = 'Yes') as YES, (sum(book\_table = 'Yes'))/(count(book\_table))\*100 as `Yes %`,

sum(book\_table = 'No') as NO, (sum(book\_table = 'No'))/(count(book\_table))\*100 as `No %`

FROM Zomato\_rest;

/\*No. of restaurants with meal types\*/

SELECT Meal\_Type, count(\*) as COUNT

FROM Zomato\_rest

Group by meal\_type;

/\*No. of restaurants in each city\*/

SELECT City, count(\*) as Count, dense\_rank() over (Order By count(\*) DESC) as DRank

FROM Zomato\_rest

Group by city;

/\*City with the highest no. of restaurants\*/

SELECT City, Count

FROM

(SELECT City, count(\*) as Count, dense\_rank() over (Order By count(\*) DESC) as DRank

FROM Zomato\_rest

Group by city) as tt

WHERE DRank = 1;

/\*City with the lowest no. of restaurants\*/

SELECT City, Count

FROM

(SELECT City, count(\*) as Count, dense\_rank() over (Order By count(\*) ASC) as DRank

FROM Zomato\_rest

Group by city) as tt

WHERE DRank = 1;

/\*No. of restaurants for each rating\*/

SELECT rate, count(\*) as Count

FROM Zomato\_rest

Group by rate

Order by count(\*) DESC;

/\*No. of restaurant for each type\*/

SELECT rest\_type, count(\*) as COUNT

FROM Zomato\_rest

Group by rest\_type;

/\*Top 10 types of restaurant which have the highest no. of restaurant\*/

SELECT rest\_type, count

FROM

(SELECT rest\_type, count(\*) as COUNT, dense\_rank() over (Order By count(\*) DESC) as DRank

FROM Zomato\_rest

Group by rest\_type) as tt

WHERE DRank <=10;

/\*10 types which have the least number of restaurants\*/

SELECT rest\_type, count

FROM

(SELECT rest\_type, count(\*) as COUNT, rank() over (Order By count(\*) ASC) as Rnk

FROM Zomato\_rest

Group by rest\_type) as tt

WHERE DRank <=10;

/\*Number of restaurants for different average costs\*/

SELECT Avg\_cost, count(\*) as COUNT

FROM Zomato\_rest

Group by Avg\_cost

Order by count(\*) DESC,Avg\_cost;

/\*Top 10 cuisines that are offered by the maximum number of restaurants.\*/

SELECT cuisines

FROM

(SELECT cuisines, count(\*) as COUNT, dense\_rank() over (Order By count(\*) DESC) as Rnk

FROM Zomato\_rest

Group by cuisines) as tt

WHERE Rnk <=10;

/\* 10 least served cuisines in Bangalore \*/

SELECT cuisines

FROM

(SELECT cuisines, count(\*) as COUNT, rank() over (Order By count(\*) ASC) as Rnk

FROM Zomato\_rest

Group by cuisines) as tt

WHERE Rnk <=10 and cuisines Not Like "%North Indian%" and cuisines Not Like "%South Indian%" and cuisines Not Like "%Chinese%" and cuisines Not Like "%ice Cream%" and cuisines Not Like "%Biryani%";

/\* Top 50 Restaurants that are highly voted\*/

SELECT name, votes

FROM

(SELECT name, votes, dense\_rank() over (Order By votes DESC) as Rnk

FROM Zomato\_rest

Group by votes) as tt

WHERE Rnk <=50;

/\*Top 50 rated restaurants.\*/

SELECT distinct name, rate

FROM Zomato\_rest

order by rate desc

LIMIT 50;

/\*50 least rated restaurants.\*/

SELECT Distinct name, rate

FROM Zomato\_rest

order by rate

LIMIT 50;

/\* First 50 restaurants ordered by avg\_cost feature \*/

SELECT distinct name, avg\_cost

FROM Zomato\_rest

Order by Avg\_cost desc

LIMIT 50;

/\*Number of restaurants for each rating where you can or can not book order online\*/

SELECT rate, sum(online\_order = 'Yes') as Online\_order\_Yes, sum(online\_order = 'No') as Online\_order\_No

FROM Zomato\_rest

Group by rate

Order by rate DESC;

/\* number of restaurants for each rating as per the values(yes or no) for book\_table feature\*/

SELECT rate, sum(book\_table = 'Yes') as book\_table\_Yes, sum(book\_table = 'No') as book\_table\_No

FROM Zomato\_rest

Group by rate

Order by rate DESC;

/\*number of restaurants for each city which do or do not have the facility to book order online\*/

SELECT city, sum(online\_order = 'Yes') as Online\_order\_Yes, sum(online\_order = 'No') as Online\_order\_No

FROM Zomato\_rest

Group by city;

/\*which city is costlier in terms of food, and which are not with respect to average cost for each city\*/

SELECT city, Round(avg(avg\_cost),0) as Average\_Cost

FROM Zomato\_rest

Group by city

Order by avg(avg\_cost) desc;

/\*which city has the highest number of restaurants with high ratings.\*/

SELECT city, Round(avg(rate),2) as Ratings

FROM Zomato\_rest

Group by city

Order by avg(rate) desc;

/\*Top 10 dishes liked by the citizens of Bangalore.\*/

SELECT dish\_liked, count(\*) as COUNT

FROM Zomato\_rest

WHERE dish\_liked not like "Friendly staff" and dish\_liked not like "Rooftop Ambience"

Group by dish\_liked

order by count(\*) desc

LIMIT 10;

/\*Top restaurants serving Most liked dish 'Biryani' , along with their ratings and avg\_cost\*/

SELECT distinct name, rate, avg\_cost

FROM Zomato\_rest

WHERE dish\_liked = "Biryani"

order by rate desc;