**//\*ANALYSIS OF PRE DIWALI \*//**

1. **/\*No. of rows in the table\*/**

select count(\*) from pre\_diwali;

1. **/\*Date period of the table\*/**

select distinct(ndt) from pre\_diwali order by ndt asc;

1. **/\*No.of restaurants\*/**

select count(distinct name) from pre\_diwali;

1. **/\*No.of Categories\*/**

select count(distinct category) from pre\_diwali;

1. **/\*No.of items\*/**

select count(distinct item\_name) from pre\_diwali;

1. **/\*No.of cities\*/**

select count(distinct city) from pre\_diwali;

select sum(Item\_GMV),name from pre\_diwali group by name order by 1 asc;

**/\*Orders of pre diwali table\*/**

1. **/\*No.of orders \*/**

select sum(orders) from pre\_diwali;

1. **/\*No.of orders based on the time/hr of the day\*/**

select sum(orders),hr\_of\_the\_day from pre\_diwali group by hr\_of\_the\_day order by hr\_of\_the\_day;

1. **/\*No.of orders based on day and date\*/**

select sum(orders) as no\_of\_orders,

dayname(ndt) as day, ndt as date from pre\_diwali

group by dayname(ndt), ndt order by ndt;

1. **/\*No.of orders based on the restaurant\*/**

select sum(orders),name from pre\_diwali group by name order by 1 desc;

1. **/\*No. of orders based on the category\*/**

select sum(orders),category from pre\_diwali group by category order by 1 desc;

1. **/\*No.of orders based on the city\*/**

select sum(orders), city from pre\_diwali group by city order by 1 desc;

**/\*Quantity of pre Diwali table\*/**

1. **/\*Quantity Based on item\*/**

select sum(qty), item\_name from pre\_diwali group by item\_name order by 1 desc;

1. **/\*Quantity Based on Category\*/**

select sum(qty), category from pre\_diwali group by category order by 1 desc;

**/\*GMV of pre Diwali table\*/**

1. **/\*GMV based on restaurant\*/**

select sum(item\_GMV),name from post\_diwali group by name order by 1 desc;

1. **/\*GMV based on city\*/**

select sum(item\_GMV), city from post\_diwali group by city order by 1 desc;

1. **/\*GMV based on item name\*/**

select sum(item\_GMV), item\_name from post\_diwali group by 2 order by 1 desc;

**//\*POST DIWALI\*//**

1. **/\*No. of rows in the table\*/**

select count(\*) from post\_diwali;

1. **/\*Date period of the table\*/**

select distinct(ndt) from post\_diwali order by ndt asc;

1. **/\*No.of restaurants\*/**

select count(distinct name) from post\_diwali;

1. **/\*No.of Categories\*/**

select count(distinct category) from post\_diwali;

1. **/\*No.of items\*/**

select count(distinct item\_name) from post\_diwali;

1. **/\*No.of cities\*/**

select count(distinct city) from post\_diwali;

**/\*Orders of post Diwali table\*/**

1. **/\*No.of orders \*/**

select sum(orders) from post\_diwali;

1. **/\*No.of orders based on the time/hr of the day\*/**

select sum(orders),hr\_of\_the\_day from post\_diwali group by hr\_of\_the\_day order by hr\_of\_the\_day;

1. **/\*No.of orders based on day and date\*/**

select sum(orders) as no\_of\_orders,

dayname(ndt) as day, ndt as date from post\_diwali

group by dayname(ndt), ndt order by ndt;

1. **/\*No.of orders based on the restaurant\*/**

select sum(orders),name from post\_diwali group by name order by 1 desc;

1. **/\*No. of orders based on the category\*/**

select sum(orders),category from post\_diwali group by category order by 1 desc;

1. **/\*No.of orders based on the city\*/**

select sum(orders), city from post\_diwali group by city order by 1 desc;

**/\*Quantity of Post Diwali Table\*/**

1. **/\*Quantity Based on item\*/**

select sum(qty), item\_name from post\_diwali group by item\_name order by 1 desc;

1. **/\*Quantity Based on Category\*/**

select sum(qty), category from post\_diwali group by category order by 1 desc;

**/\*GMV of Post Diwali Table\*/**

1. **/\*GMV based on restaurant\*/**

select sum(item\_GMV),name from post\_diwali group by name order by 1 desc;

1. **/\*GMV based on city\*/**

select sum(item\_GMV), city from post\_diwali group by city order by 1 desc;

1. **/\*GMV based on item name\*/**

select sum(item\_GMV), item\_name from post\_diwali group by 2 order by 1 desc;

1. **/\*Average daily orders of both the tables\*/**

select sum(orders)/7 from pre\_diwali;

select sum(orders)/10 from post\_diwali;/\*Div by 10 because post Diwali period is for 10 days\*/

1. **/\*Restaurants not present in the pre Diwali table but present in the post Diwali table and vice versa\*/**

create view temp2 as(select distinct(item\_name) from post\_diwali);

create view temp1 as(select distinct(item\_name) from pre\_diwali);

**/\*Restaurants present in post Diwali but not present in pre Diwali.\*/**

select name from temp2 where name not in (select item\_name from temp1);

**/\*Restaurants present in pre Diwali but not present in post Diwali.\*/**

select name from temp1 where item\_name not in (select item\_name from temp1);

1. **/\*Items not present in the pre Diwali table but present in the post Diwali table and vice versa\*/**

**/\*Views were created using the concept of distinct as it was easy to execute\*/**

create view temp3 as(select distinct(item\_name) from post\_diwali);

create view temp4 as(select distinct(item\_name) from pre\_diwali);

**/\*Items present in post Diwali but not present in pre Diwali.\*/**

select item\_name from temp3 where item\_name not in (select item\_name from temp4);

**/\*Items present in pre Diwali but not present in post Diwali.\*/**

select item\_name from temp4 where item\_name not in (select item\_name from temp3);