**BI**

**Part-1**

**SQL**

Initialization And Table Creation:

Code:

*CREATE DATABASE Foodpanda;*

*USE Foodpanda;*

*CREATE TABLE Orders(rdbms\_id INT(3),*

*country\_name VARCHAR(100),*

*date\_local DATETIME,*

*vendor\_id INT(10),*

*customer\_id INT(10),*

*gmv\_local Double,*

*is\_voucher\_used CHAR(10),*

*is\_successful\_order CHAR(10)*

*);*

*CREATE TABLE Orders1(rdbms\_id INT(3),*

*country\_name VARCHAR(100),*

*date\_local timestamp,*

*vendor\_id INT(10),*

*customer\_id INT(10),*

*gmv\_local Double,*

*is\_voucher\_used CHAR(10),*

*is\_successful\_order CHAR(10)*

*);*

*CREATE TABLE Vendors( vendor\_id INT(10),*

*rdbms\_id INT(3),*

*country\_name VARCHAR(100),*

*is\_active CHAR(10),*

*vendor\_name VARCHAR(100),*

*budget INT(3),*

*chain\_id CHAR(10) DEFAULT NULL*

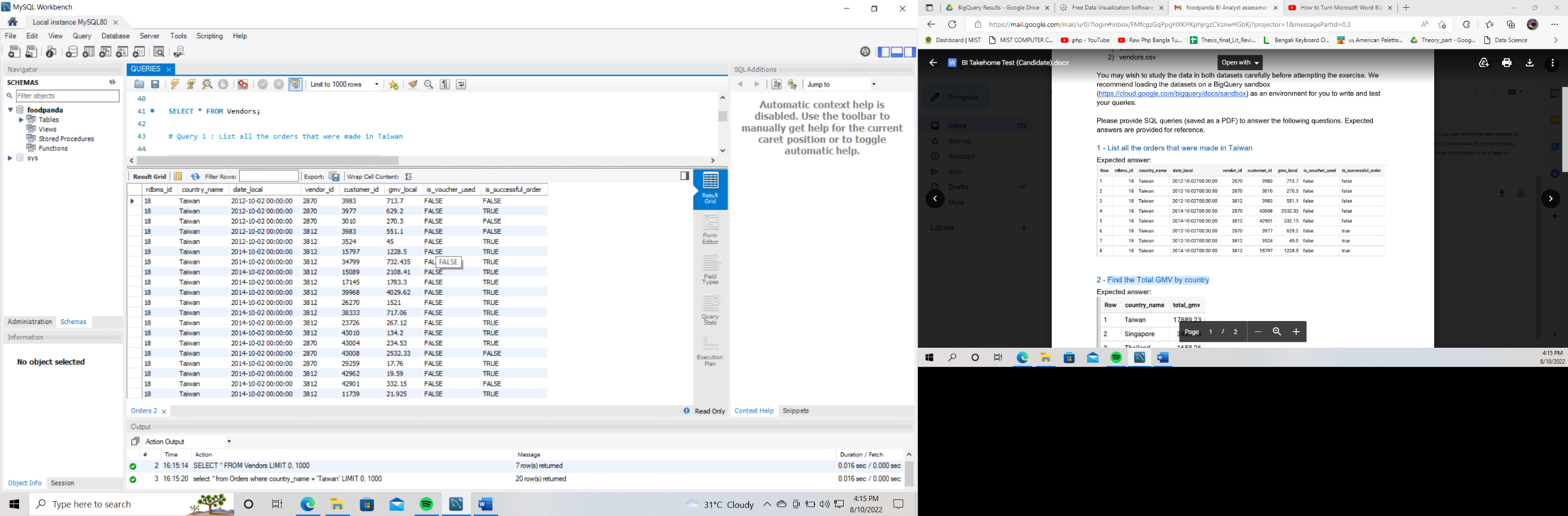
*);*

Query – 1: List all the orders that were made in Taiwan

Code:

*select \* from Orders where country\_name = 'Taiwan';*

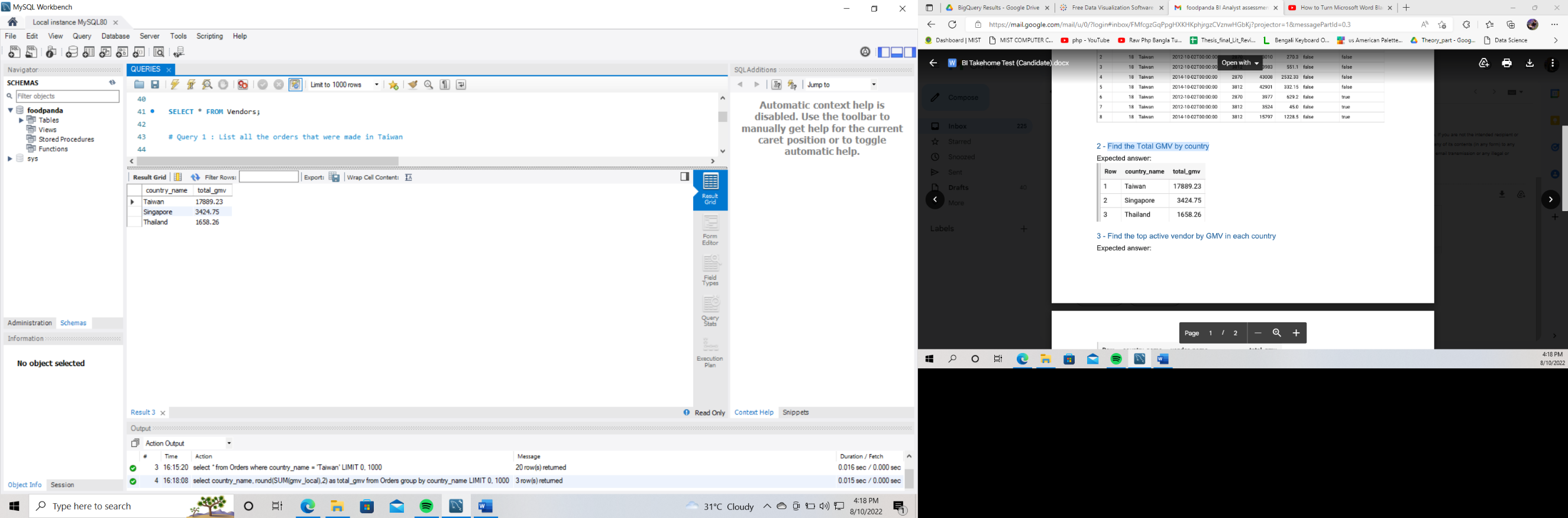
Output:



Query – 2: Find the Total GMV by country

Code:

*select country\_name, round(SUM(gmv\_local),2) as total\_gmv from Orders group by country\_name;*

Output:

Query – 3: Find the top active vendor by GMV in each country

Code:

*select B.country\_name, ven.vendor\_name, B.total\_gmv from*

*(*

*select D.country\_name, E.vendor\_id, D.total\_gmv from*

*(*

*select country\_name, max(A.total\_gmv) as total\_gmv from*

*(select country\_name, vendor\_id, round(SUM(gmv\_local),2) as total\_gmv from Orders group by vendor\_id) as A*

*group by country\_name*

*) as D,*

*(*

*select country\_name, vendor\_id, round(SUM(gmv\_local),2) as total\_gmv from Orders group by vendor\_id*

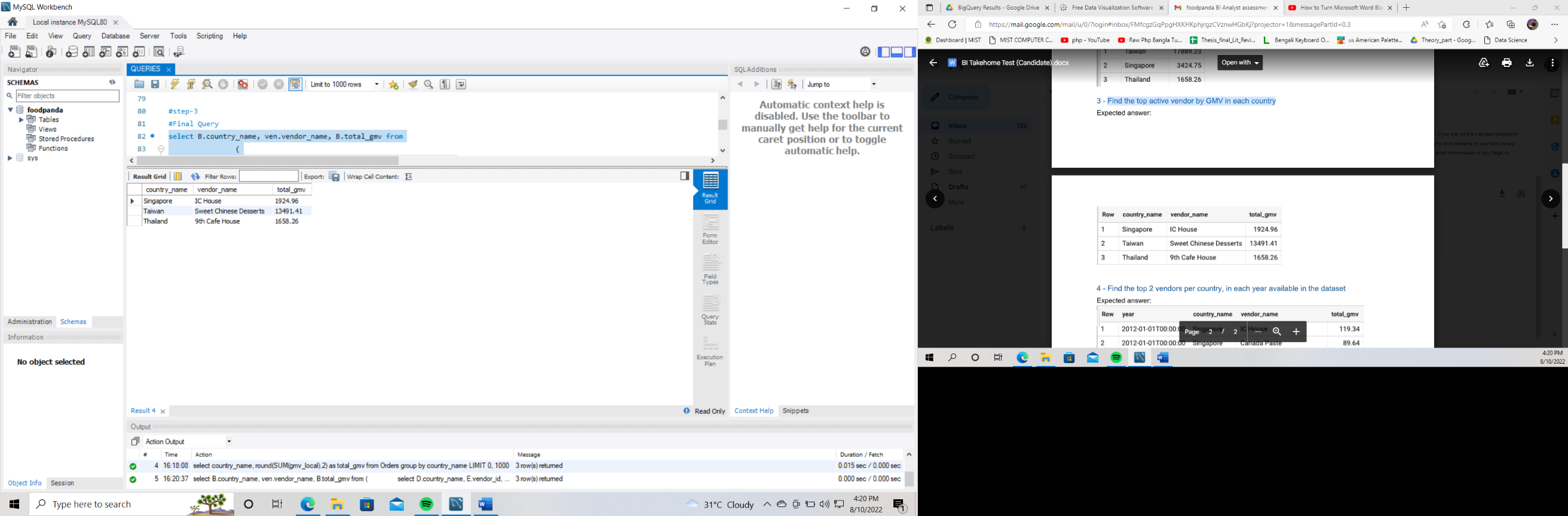
*) as E*

*where E.total\_gmv = D.total\_gmv*

*) as B, Vendors ven*

*where B.vendor\_id = ven.vendor\_id*

*order by B.country\_name;*

Output:

Query – 4: Find the top 2 vendors per country, in each year available in the dataset.

Code:

*select Ft.date\_local as year, Ft.country\_name, Ft.vendor\_name, Ft.total\_gmv*

*from*

*(*

*select A.country\_name, A.date\_local, vn.vendor\_name, A.total\_gmv ,*

*ROW\_NUMBER() OVER (PARTITION BY A.country\_name, A.date\_local*

*ORDER BY total\_gmv DESC) max\_count*

*from*

*(*

*select country\_name, date\_local,vendor\_id, round(SUM(gmv\_local),2) as total\_gmv from Orders1 group by vendor\_id,date\_local*

*) as A left join Vendors as vn ON A.vendor\_id = vn.vendor\_id*

*group by A.date\_local, A.vendor\_id*

*order by A.date\_local asc, A.country\_name asc,A.total\_gmv desc*

*) as Ft*

*where Ft.max\_count <= 2;*

Output:

