SQL Report

Questions And Answering by Sql

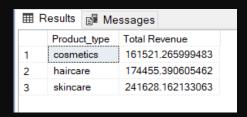


First Question: Total Of Revenue by Revenue

```
----Total of Revenue by products----

select Product_type,sum(Revenue_generated) as 'Total Revenue'

from supply_chain_data
group by Product_type
order by 'Total Revenue'
```



The Result show that the most profitable is **Skincare Products**

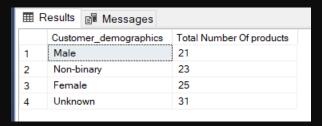
And the least profitable is **Cosmetics Products**

Second Question: Effect Of Gender on Products

```
----Total of Product by Gender----

select Customer_demographics ,count(Product_type) as 'Total Number Of products'

from supply_chain_data
group by Customer_demographics
order by 'Total Number Of products'
```



The Female is the most using of these products than Male, And the Unknown Customer is most than both.

Third Question: Products Across Locations

```
-----Products Accross Locations -----

=select Location ,Product_type,count(Product_type) as 'Total Number Of products'
from supply_chain_data
group by rollup (Location,Product_type)
order by 'Total Number Of products'
```

Results						
	Location	Product_type	Total Number Of products			
6	Chennai	haircare	6			
7	Bangalore	skincare	6			
8	Delhi	cosmetics	6			
9	Mumbai	haircare	7			
10	Mumbai	skincare	7			
11	Mumbai	cosmetics	8			
12	Kolkata	haircare	8			
13	Bangalore	haircare	9			
14	Chennai	skincare	9			
15	Kolkata	skincare	13			
16	Delhi	NULL	15			
17	Bangalore	NULL	18			
18	Chennai	NULL	20			
19	Mumbai	NULL	22			
20	Kolkata	NULL	25			
21	NULL	NULL	100			

The Kolkata is the most city of using products,

The **Delhi** is the least city of using products

Fourth Question: Status Of Products

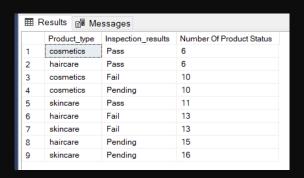
```
----- Status Of Products -----

select Product_type,Inspection_results,count(Inspection_results) as 'Number Of Product Status'

from supply_chain_data

group by Product_type,Inspection_results

order by 'Number Of Product Status'
```



The **skincare** is the most **Pending Product**, the **skincare** and **haircare** are the most **Fail** Products and **skincare** is the most **Pass** Products

Fifth Question: Total Cost Across Products

```
----- Total Cost Of Products -----

=select Product_type,sum(Costs) as 'Total Cost Of Product'

from supply_chain_data
group by Product_type
order by 'Total Cost Of Product'
```

I	Results		₽ Me	ssages	
		Product_type		Total Cost Of Product	
1		cosmetics		13366.3972831576	
2		haircare		17328.	8628648875
3		skincare		22229.318067769	

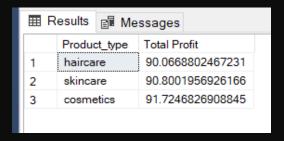
The **Skincare** is the highest in **Cost**, and **Cosmetics** is the least in **Cost**.

Sixth Question: Percentage Of Profit Across Products

```
----- Percentage Of Profit Across Products -----

select Product_type,((sum(Revenue_generated)-sum(Costs))/sum(Revenue_generated))*100 as 'Total Profit'

from supply_chain_data
group by Product_type
order by 'Total Profit'
```



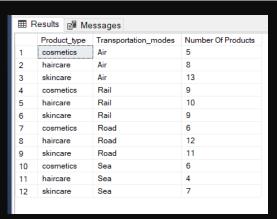
The Cosmetics is the most Profitable Product

Seventh Question: Products Across Transportation Modes

```
----- Number Of Products Across Transportation Modes -----

=select Product_type, Transportation_modes,COUNT(*) as 'Number Of Products'

from supply_chain_data
group by Product_type,Transportation_modes
```



Air Mode: the **Skincare Product** is the most **transported**.

Rail Mode: the Haircare Product is the most transported.

Road Mode: the **Haircare Product** is the most **transported**.

Sea Mode: the **Skincare Product** is the most **transported**.

The Cosmetics Product is more portable during the Rail.

The Haircare Product is more Road during the Rail.

The Skincare Product is more **portable** during the **Air**.

Thanks.....