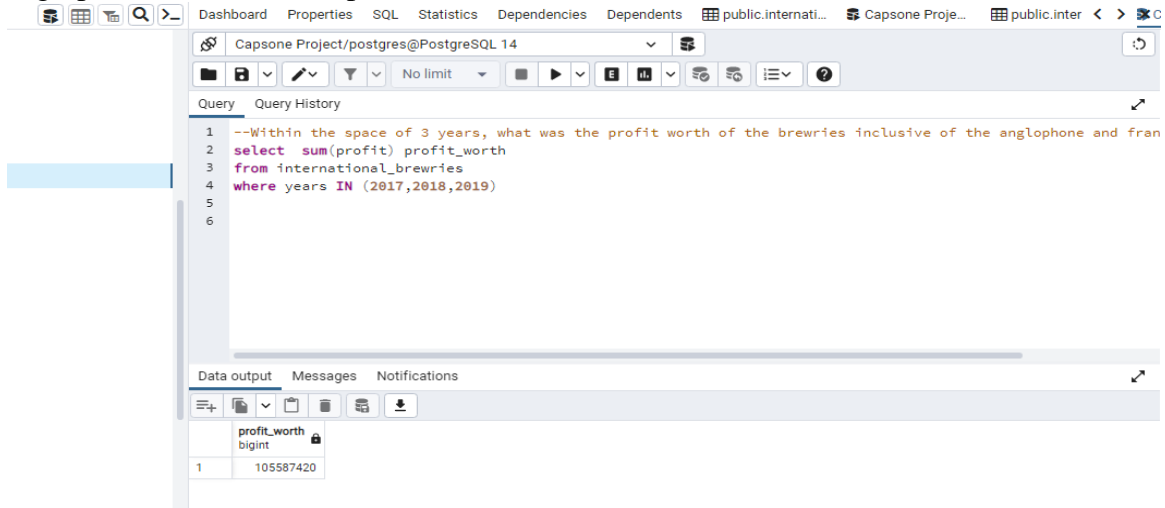


# SQL CAPSTONE PROJECT

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1. Within the space of 3 years, what was the profit worth of the breweries inclusive of the anglophone and the francophone territories?



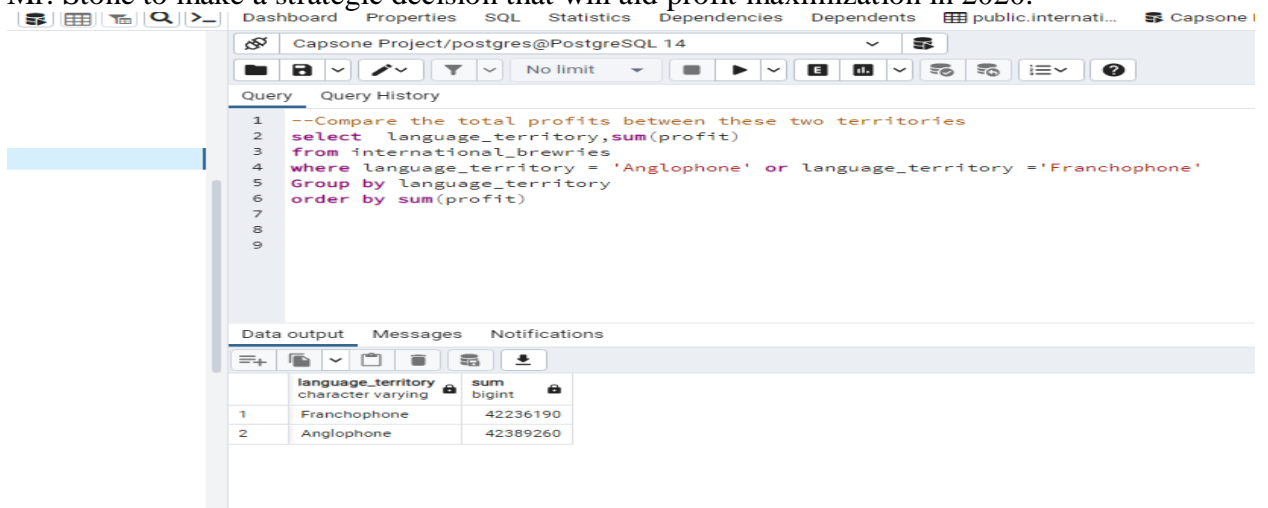
The screenshot shows a PostgreSQL query editor interface. The query is as follows:

```
1 --Within the space of 3 years, what was the profit worth of the brewries inclusive of the anglophone and fran
2 select sum(profit) profit_worth
3 from international_brewries
4 where years IN (2017,2018,2019)
5
6
```

The data output shows a single row with the profit worth of 105587420.

profit_worth
105587420

2. Compare the total profit between these two territories in order for the territory manager, Mr. Stone to make a strategic decision that will aid profit maximization in 2020.



The screenshot shows a PostgreSQL query editor interface. The query is as follows:

```
1 --Compare the total profits between these two territories
2 select language_territory,sum(profit)
3 from international_brewries
4 where language_territory = 'Anglophone' or language_territory ='Franchophone'
5 Group by language_territory
6 order by sum(profit)
7
8
9
```

The data output shows two rows, one for Franchophone and one for Anglophone, with their respective total profits.

language_territory	sum
Franchophone	42236190
Anglophone	42389260

3. What country generated the highest profit in 2019

The screenshot shows a PostgreSQL query editor interface. The title bar reads "Capsone Project/postgres@PostgreSQL 14". The "Query" tab is active, displaying the following SQL query:

```
1 --what country generated the highest profit in 2019
2 select countries, sum(profit) profit_generated
3 from international_brewries
4 where years = 2019
5 group by countries
6 order by sum(profit) desc limit 1;
```

Below the query editor, the "Data output" tab is active, showing the results of the query in a table format:

	countries character varying	profit_generated bigint
1	Ghana	7144070

4. Help him find the year with the highest profit.

The screenshot shows a PostgreSQL query editor interface. The title bar reads "Capsone Project/postgres@PostgreSQL 14". The "Query" tab is active, displaying the following SQL query:

```
1 --Help him find the year with the highest profit
2 select years, sum(profit) profit_generated
3 from international_brewries
4 group by years
5 order by sum(profit) desc limit 1;
```

Below the query editor, the "Data output" tab is active, showing the results of the query in a table format:

	years integer	profit_generated bigint
1	2017	38503320

5. Which month in the three years was the least profit generated.

Capsone Project/postgres@PostgreSQL 14

Query Query History

```
1 --Which month in the three years was the least profit generated
2 select months, min(profit) Min_profit
3 from international_brewries
4 where years IN (2017,2018,2019)
5 group by months
6 order by min(profit) desc limit 1;
```

Data output Messages Notifications

	months character varying	min_profit integer
1	July	36550

6. What was the minimum profit in the month of December 2018

Capsone Project/postgres@PostgreSQL 14

Query Query History

```
1 --What was the minimum profit profit in the month of december 2018
2 select years,months, min(profit) as minimum_profit
3 from international_brewries
4 where years = 2018 and months= 'December'
5 group by years,months;
6
```

Data output Messages Notifications

	years integer	months character varying	minimum_profit integer
1	2018	December	38150

7. Compare the profits for each of the months in 2019

Capsone Project/postgres@PostgreSQL 14

Query Query History

```
1 --Compare the profit for each of the months in 2019
2 select months, sum(profit) profit
3 from international_brewries
4 where years = 2019
5 group by months
6 order by months;
7
8 |
```

Data output Messages Notifications

	months character varying	profit bigint
1	April	2851470
2	August	2982800
3	December	2048780
4	February	1366880
5	January	3263160
6	July	2945340
7	June	2669080

8. Which particular brand generated the highest profit in Senegal

Capsone Project/postgres@PostgreSQL 14

Query Query History

```
1 --Which particular brand generated the highest profit in Senegal?
2 select brands, sum(profit) profit
3 from international_brewries
4 where countries = 'Senegal'
5 group by brands
6 order by sum(profit) desc limit 1;
7
8
```

Data output Messages Notifications

	brands character varying	profit bigint
1	castle lite	7012980

## SECTION B

1. Within the last two years, the brand manager wants to know the top brands consumed in the francophone countries.

The screenshot shows a PostgreSQL query editor interface. The query is as follows:

```
1 --Within the last two years, the brand manager wants to know the top three brands consumed in
2 select brands
3 from international_brewries
4 where years in (2019,2018) and language_territory = 'franchophone'
5 group by brands
6 order by brands desc limit 3;
```

The results are displayed in a table under the 'Data output' tab:

	brands
1	trophy
2	hero
3	grand malt

2. Find out the top two choice of consumer brands in Ghana

The screenshot shows a PostgreSQL query editor interface. The query is as follows:

```
1 -- Find out the top two choice of consumer brands in Ghana
2 select brands
3 from international_brewries
4 where countries = 'Ghana'
5 group by brands
6 order by brands desc limit 2;
```

The results are displayed in a table under the 'Data output' tab:

	brands
1	trophy
2	hero

3. Find out the details of beers consumed in the past three years in the most oil rich country in West Africa

Capsone Project/postgres@PostgreSQL 14

Query Query History

```

1 -- Find out the details of the beers consumed in the past 3 years in the most oil rich country in West Africa
2 SELECT DISTINCT(brands),unit_price, quantity,SUM(profit) profit_generated
3 FROM international_brewries
4 Where brands NOT LIKE '%malt'
5 AND countries = 'Nigeria'
6 AND years IN (2017,2018,2019)
7 GROUP BY DISTINCT(brands), unit_price,quantity
8 ORDER BY SUM(profit)

```

Data output Messages Notifications

	brands character varying	unit_price character varying	quantity integer	profit_generated bigint
1	trophy	200	700	35000
2	trophy	200	701	35050
3	hero	200	709	35450
4	hero	200	721	36050
5	hero	200	724	36200
6	hero	200	730	36500
7	hero	200	731	36550

Activate Windows

#### 4. Favorite malt brand in Anglophone region between 2018 and 2019

Dashboard Properties SQL Statistics Dependencies Dependents Capsone Pr... Capsone Proje...

Capsone Project/postgres@PostgreSQL 14

Query Query History

```

1 SELECT brands,SUM(quantity) quantity_consumed
2 FROM international_brewries
3 WHERE brands LIKE '%malt'
4 AND years BETWEEN 2018 and 2019
5 AND language_territory = 'Anglophone'
6 GROUP BY brands
7 ORDER BY SUM(quantity) DESC LIMIT 1;
8

```

Data output Messages Notifications

	brands character varying	quantity_consumed bigint
1	grand malt	33221

5. Which brand sold highest in 2019 in Nigeria

The screenshot shows a PostgreSQL query editor interface. The title bar indicates the connection is to 'Capsone Project/postgres@PostgreSQL 14'. The 'Query' tab is active, displaying the following SQL query:

```
1 -- Which brands sold the highest in 2019 in Nigeria?
2 select brands, sum(quantity)
3 from international_brewries
4 where years = 2019 and countries = 'Nigeria'
5 group by brands
6 order by sum(quantity) desc limit 1;
```

Below the query editor, the 'Data output' tab is active, showing the results of the query in a table format:

	brands character varying	sum bigint
1	hero	9622

6. Favorite brand in the South-south region of Nigeria

The screenshot shows a PostgreSQL query editor interface. The title bar indicates the connection is to 'Capsone Project/postgres@PostgreSQL 14'. The 'Query' tab is active, displaying the following SQL query:

```
1 -- Favorites brand in South_South region in Nigeria
2 select brands, sum(quantity) quantity
3 from international_brewries
4 where region = 'southsouth' and countries = 'Nigeria'
5 group by brands
6 order by sum(quantity) desc limit 1;
```

Below the query editor, the 'Data output' tab is active, showing the results of the query in a table format:

	brands character varying	quantity bigint
1	eagle lager	4551

## 7. Beer Consumption in Nigeria

Capsone Project/postgres@PostgreSQL 14

Query Query History

```
1 -- Beer consumption in Nigeria
2 select brands,sum(quantity)quantity
3 from international_brewries
4 where brands NOT LIKE '%malt'
5 and countries = 'Nigeria'
6 group by brands
7 order by sum(quantity);
```

Data output Messages Notifications

	brands character varying	quantity bigint
1	castle lite	25681
2	trophy	25743
3	hero	25811
4	eagle lager	25872
5	budweiser	26153

## 8. Level of consumption of Budweiser in the regions in Nigeria

Capsone Project/postgres@PostgreSQL 14

Query Query History

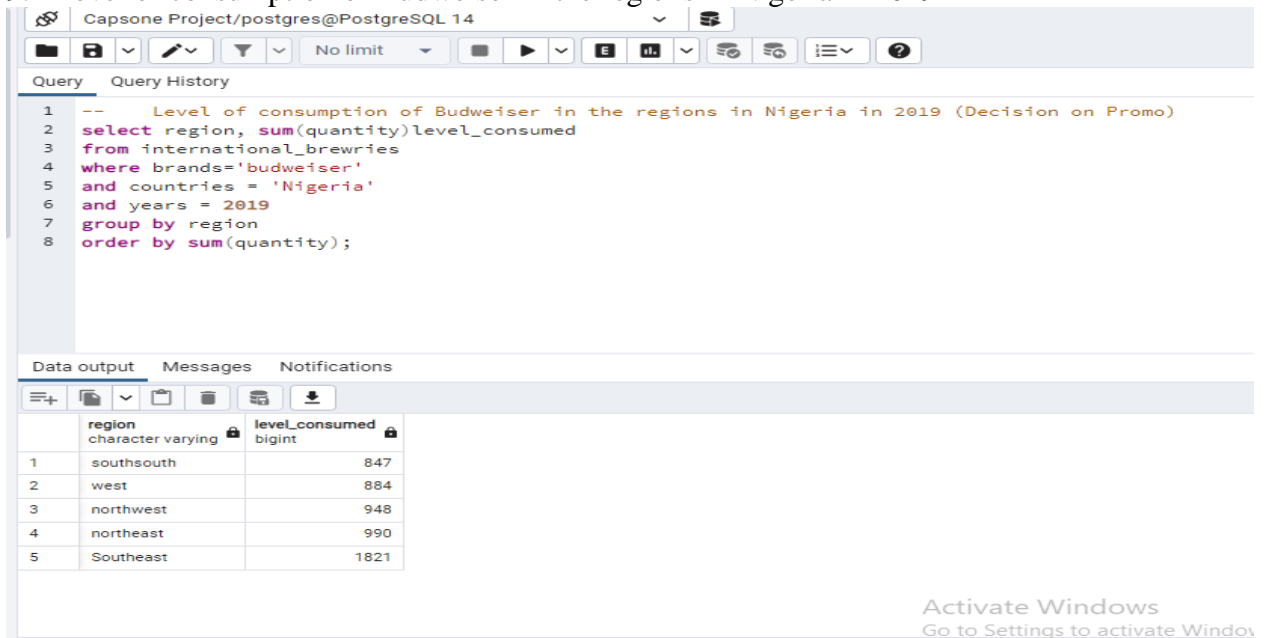
```
1 -- Level of consumption of Budweiser in the regions in Nigeria
2 select region, sum(quantity)quantity
3 from international_brewries
4 where brands='budweiser' and countries = 'Nigeria'
5 group by region
6 order by sum(quantity);
```

Data output Messages Notifications

	region character varying	quantity bigint
1	Southeast	4113
2	northwest	4274
3	northeast	4320
4	southsouth	4328
5	northcentral	4498
6	west	4620



## 9. Level of consumption of Budweiser in the regions in Nigeria in 2019



The screenshot shows a PostgreSQL query editor window titled "Capsone Project/postgres@PostgreSQL 14". The query is as follows:

```
1 -- Level of consumption of Budweiser in the regions in Nigeria in 2019 (Decision on Promo)
2 select region, sum(quantity)level_consumed
3 from international_brewries
4 where brands='budweiser'
5 and countries = 'Nigeria'
6 and years = 2019
7 group by region
8 order by sum(quantity);
```

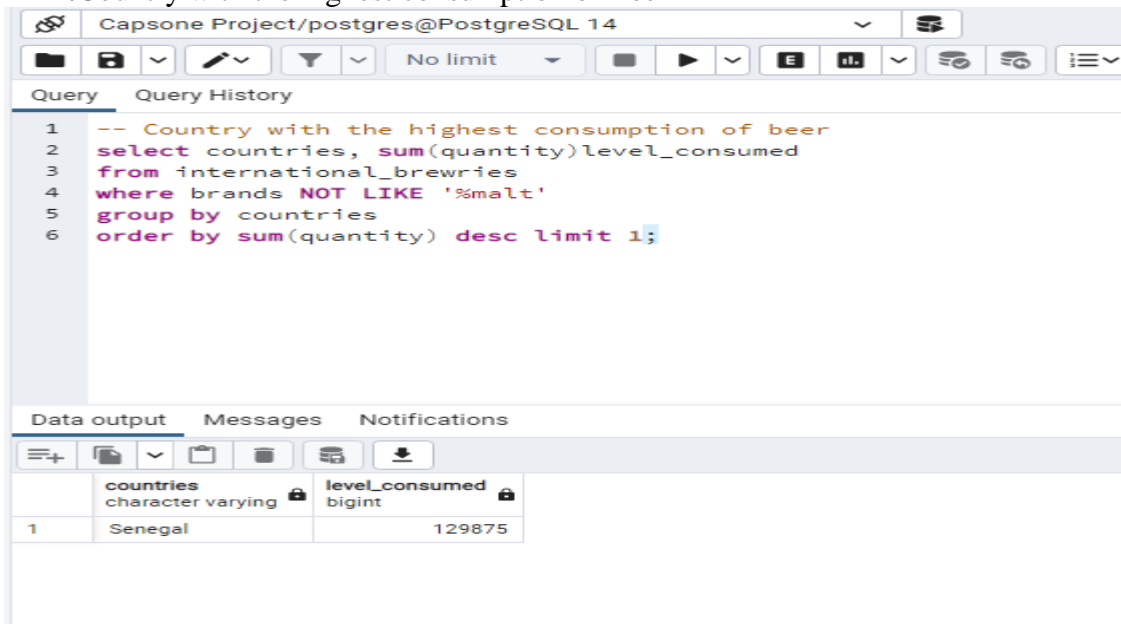
The "Data output" tab shows the results of the query:

	region character varying	level_consumed bigint
1	southsouth	847
2	west	884
3	northwest	948
4	northeast	990
5	Southeast	1821

Activate Windows  
Go to Settings to activate Windows

## SECTION C (COUNTRIES ANALYSIS)

### 1. Country with the highest consumption of Beer



The screenshot shows a PostgreSQL query editor window titled "Capsone Project/postgres@PostgreSQL 14". The query is as follows:

```
1 -- Country with the highest consumption of beer
2 select countries, sum(quantity)level_consumed
3 from international_brewries
4 where brands NOT LIKE '%malt'
5 group by countries
6 order by sum(quantity) desc limit 1;
```

The "Data output" tab shows the results of the query:

	countries character varying	level_consumed bigint
1	Senegal	129875

## 2. Highest sales personnel of Budweiser in Senegal.

Capsone Project/postgres@PostgreSQL 14

Query Query History

```
1 -- Highest sales personnel of Budweiser in Senegal
2 select sales_rep, sum(quantity)
3 from international_brewries
4 where brands = 'budweiser' and countries = 'Senegal'
5 group by sales_rep
6 order by sum(quantity) desc limit 1;
```

Data output Messages Notifications

	sales_rep character varying	sum bigint
1	Jones	5917

## 3. Country with the highest profit of the fourth quarter in 2019

Capsone Project/postgres@PostgreSQL 14

Query Query History

```
1 -- Country with the highest profit of the fourth quarter in 2019
2 select countries, sum(profit) profit
3 from international_brewries
4 where months IN ('October', 'November', 'December') and years = 2019
5 group by countries
6 order by sum(profit) desc limit 1;
```

Data output Messages Notifications

	countries character varying	profit bigint
1	Ghana	2045230