

INTERNATIONAL BREWERIES CAPSTONE PROJECT

BY

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--Section 1, Question 1

--Within the space of the last three years, what was the profit worth of the breweries,
--inclusive of the anglophone and the francophone territories?

```
SELECT SUM(profit) AS "Total_profit"
```

```
FROM international_breweries
```

```
WHERE years IN (2017,2018,2019);
```

	Data Output	Explain	Messages	Notifications
	 Total_profit bigint 			
1	105587420			

--Section 1, Question 2

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

```
SELECT
```

```
    CASE
```

```
        WHEN countries IN ('Benin', 'Togo', 'Senegal') THEN 'Francophone'
```

```
        WHEN countries IN ('Nigeria', 'Ghana') THEN 'Anglophone'
```




```
    END Territories,
```

```
    SUM(profit) AS Total_profit
```

FROM international_breweries

WHERE years IN (2017,2018,2019)

GROUP BY Territories;

	Data Output	Explain	Messages	Notifications
	 territories text		total_profit bigint	
1	Anglophone		42389260	
2	Francophone		63198160	

--Section 1, Question 3

--Country that generated the highest profit in 2019?




SELECT countries, SUM(profit) AS Total_profit

FROM international_breweries

GROUP BY countries

ORDER BY Total_profit DESC

LIMIT 1;

	Data Output	Explain	Messages	Notifications
	 countries character varying		total_profit bigint	
1	Senegal		21485190	

--Section 1, Question 4

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




SELECT years, SUM(profit) AS Total_profit

FROM International_breweries

GROUP BY years

ORDER BY Total_profit DESC

LIMIT 1;

	Data Output	Explain	Messages	Notifications
	 years integer 	total_profit bigint 		
1	2017	38503320		

--Section 1, Question 5

--Which month in the three years was the least profit generated?

SELECT months, SUM(profit) AS Total_profit




FROM International_breweries

--WHERE years IN (2017, 2018, 2019)

GROUP BY months

ORDER BY Total_profit

LIMIT 1;

	Data Output	Explain	Messages	Notifications
	 months character varying 	total_profit bigint 		
1	April	8573830		

--Section 1, Question 6

--What was the minimum profit in the month of December 2018?





SELECT months, years, profit AS min_profit

FROM International_breweries

WHERE months IN ('December') AND years IN (2018)

ORDER BY profit

LIMIT 1;

	Data Output	Explain	Messages	Notifications
	 months character varying 		years integer 	min_profit integer 
1	December		2018	38150

--Section 1, Question 7

--Compare the profit in percentage for each of the month in 2019




```
SELECT months, SUM(profit) * 100/(SELECT SUM(profit) AS Total_profit FROM  
International_breweries WHERE years IN (2019)) AS Profit_percent
```

```
FROM International_breweries
```

```
WHERE years IN (2019)
```

```
GROUP BY months
```

```
ORDER BY Profit_percent
```

	Data Output	Explain	Messages	Notifications
	 months character varying 		profit_percent bigint 	
1	February			4
2	December			6
3	September			6
4	October			7
5	November			8
6	June			8
7	March			8
8	May			8
9	August			9
10	July			9
11	April			9
12	January			10

--Section1, Question 8

--Which particular brand generated the highest profit in Senegal?

```
SELECT Brands, SUM(profit) AS Total_profit
```




```
FROM International_breweries
```

```
WHERE countries IN ('Senegal')
```

```
GROUP BY Brands
```

```
ORDER BY Total_profit DESC
```

```
LIMIT 1;
```

	Data Output	Explain	Messages	Notifications
	 brands character varying		total_profit bigint	
1	castle lite		7012980	

--Section 2, Question 1

--Within the last two years, the brand manager wants to know the top three brands

--consumed in the francophone countries

```
SELECT brands, SUM(quantity) Total_quantity
```


```
FROM International_breweries
```

```
WHERE years IN (2018, 2019) AND countries IN ('Benin', 'Togo', 'Senegal')
```

```
GROUP BY brands
```

```
ORDER BY Total_quantity Desc
```

```
LIMIT 3;
```

	Data Output	Explain	Messages	Notifications
	 brands character varying		total_quantity bigint	
1	trophy		52899	
2	hero		50846	
3	eagle lager		50630	

--Section 2, Question 2

--Find out the top two choice of consumer brands in Ghana

SELECT countries, brands, SUM(quantity) Total_quantity




FROM International_breweries

WHERE countries IN ('Ghana')

GROUP BY countries, brands

ORDER BY Total_quantity DESC

LIMIT 2;

	Data Output	Explain	Messages	Notifications
	 countries character varying		brands character varying	 total_quantity bigint
1	Ghana		eagle lager	25829
2	Ghana		castle lite	25806

--Section 2, Question 3

--Find out the details of beers consumed in the past three years in the most oil rich

--country in West Africa.





SELECT countries, brands, SUM(quantity) Total_quantity, SUM(profit) Total_profit

FROM International_breweries

WHERE countries IN ('Nigeria') AND years IN (2017, 2018, 2019) AND brands NOT LIKE '%malt'

GROUP BY countries, brands

ORDER BY Total_profit DESC;

	Data Output	Explain	Messages	Notifications
	 countries character varying	 brands character varying	 total_quantity bigint	 total_profit bigint
1	Nigeria	castle lite	25681	6933870
2	Nigeria	budweiser	26153	6538250
3	Nigeria	eagle lager	25872	2069760
4	Nigeria	hero	25811	1290550
5	Nigeria	trophy	25743	1287150

--Section 2, Question 4

--Favorite malt brand in Anglophone region between 2018 and 2019

SELECT brands, SUM(quantity) Total_quantity



FROM International_breweries

WHERE brands LIKE '%malt' AND countries IN ('Nigeria', 'Ghana') AND years IN (2018, 2019)

GROUP BY brands

ORDER BY Total_quantity DESC

LIMIT 1;

	Data Output	Explain	Messages	Notifications
	 brands character varying	 total_quantity bigint		
1	grand malt	33221		

--Section 2, Question 5

--Which brands sold the highest in 2019 in Nigeria?

SELECT countries, brands, SUM(quantity) Total_quantity




FROM International_breweries

WHERE countries IN ('Nigeria') AND years IN (2019)

GROUP BY countries, brands

ORDER BY Total_quantity DESC

LIMIT 1;

	Data Output	Explain	Messages	Notifications
	 countries character varying		brands character varying	 total_quantity bigint
1	Nigeria		hero	9622

--Section 2, Question 6

--Favorites brand in South_South region in Nigeria

SELECT countries, brands, SUM(quantity) Total_quantity




FROM International_breweries

WHERE countries IN ('Nigeria') AND region IN ('southsouth')

GROUP BY countries, brands

ORDER BY Total_quantity DESC

LIMIT 1;

	Data Output	Explain	Messages	Notifications
	 countries character varying		brands character varying	 total_quantity bigint
1	Nigeria		eagle lager	4551

--Section 2, Question 7

--Bear consumption in Nigeria


```

SELECT countries, brands, SUM(quantity) Total_quantity




FROM International_breweries

WHERE brands NOT LIKE '%malt' AND countries IN ('Nigeria')

GROUP BY countries, brands

ORDER BY Total_quantity DESC;

```

	Data Output	Explain	Messages	Notifications
	 countries character varying		brands character varying	 total_quantity bigint
1	Nigeria		budweiser	26153
2	Nigeria		eagle lager	25872
3	Nigeria		hero	25811
4	Nigeria		trophy	25743
5	Nigeria		castle lite	25681

--Section 2, Question 8

--Level of consumption of Budweiser in the regions in Nigeria

```

SELECT countries, region, brands, SUM(quantity) Total_quantity






FROM International_breweries

WHERE brands LIKE 'budweiser' AND countries IN ('Nigeria')

GROUP BY countries, region, brands

ORDER BY Total_quantity DESC;

```

Data Output		Explain	Messages	Notifications	
	countries character varying 	region character varying 	brands character varying 	total_quantity bigint 	
1	Nigeria	west	budweiser	4620	
2	Nigeria	northcentral	budweiser	4498	
3	Nigeria	southsouth	budweiser	4328	
4	Nigeria	northeast	budweiser	4320	
5	Nigeria	northwest	budweiser	4274	
6	Nigeria	Southeast	budweiser	4113	

--Section 2, Question 9

--Level of consumption of Budweiser in the regions in Nigeria in 2019 (Decision on Promo)






SELECT countries, region, brands, SUM(quantity) Total_quantity

FROM International_breweries

WHERE brands LIKE 'budweiser' AND countries IN ('Nigeria') AND years IN (2019)

GROUP BY countries, region, brands

ORDER BY Total_quantity DESC;

Data Output		Explain	Messages	Notifications	
	countries character varying 	region character varying 	brands character varying 	total_quantity bigint 	
1	Nigeria	Southeast	budweiser	1821	
2	Nigeria	northeast	budweiser	990	
3	Nigeria	northwest	budweiser	948	
4	Nigeria	west	budweiser	884	
5	Nigeria	southsouth	budweiser	847	

--Section 3, Question 1

--Country with the highest consumption of beer

SELECT countries, brands, SUM(quantity) Total_quantity

```

FROM International_breweries




WHERE brands NOT LIKE '%malt'

GROUP BY countries, brands

ORDER BY Total_quantity DESC

LIMIT 1;

```

	Data Output	Explain	Messages	Notifications
	 countries character varying		brands character varying	 total_quantity bigint
1	Senegal		hero	26632

--Section 3, Question 2

--Highest sales personnel of Budweiser in Senegal

```

SELECT Sales_rep, countries, brands, SUM(cost) Total_sales

FROM International_breweries





WHERE brands LIKE 'budweiser' AND countries IN ('Senegal')

GROUP BY Sales_rep, countries, brands

ORDER BY Total_sales DESC

LIMIT 1;

```

Data Output		Explain	Messages	Notifications	
	sales_rep character varying		countries character varying	 brands character varying	 total_sales bigint
1	Jones		Senegal	budweiser	2958500

--Section 3, Question 3

--Country with the highest profit of the fourth quarter in 2019

```

SELECT countries, SUM(profit) Total_profit

FROM International_breweries

WHERE months IN ('October', 'November', 'December') AND years IN (2019)

GROUP BY countries

ORDER BY Total_profit DESC

LIMIT 1;

```

Data Output		Explain	Messages	Notifications
	countries character varying		total_profit bigint	
1	Ghana		2045230	