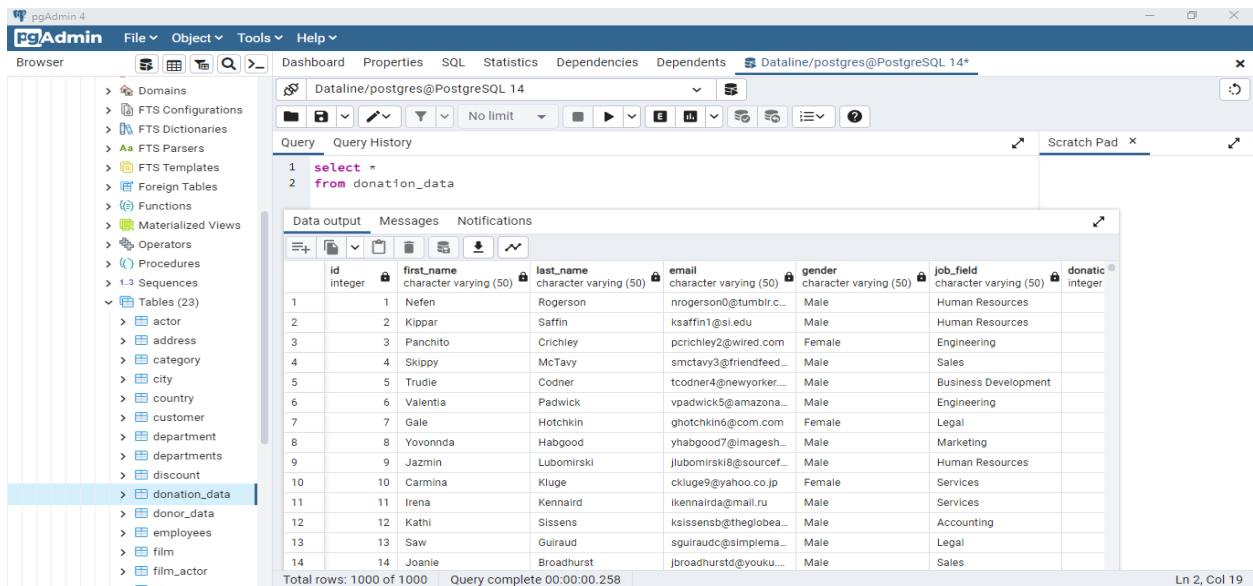


SQL QUERIES – CAPSTONE PROJECT

-- To view the content of both datasets individually

SELECT *

FROM donation_data



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category

city

country

customer

department

departments

discount

donation_data

donor_data

employees

film

film_actor

film_category

Dashboard Properties SQL Statistics Dependencies Dependents

Dataline/postgres@PostgreSQL 14*

Query Query History

1 select *
2 from donation_data

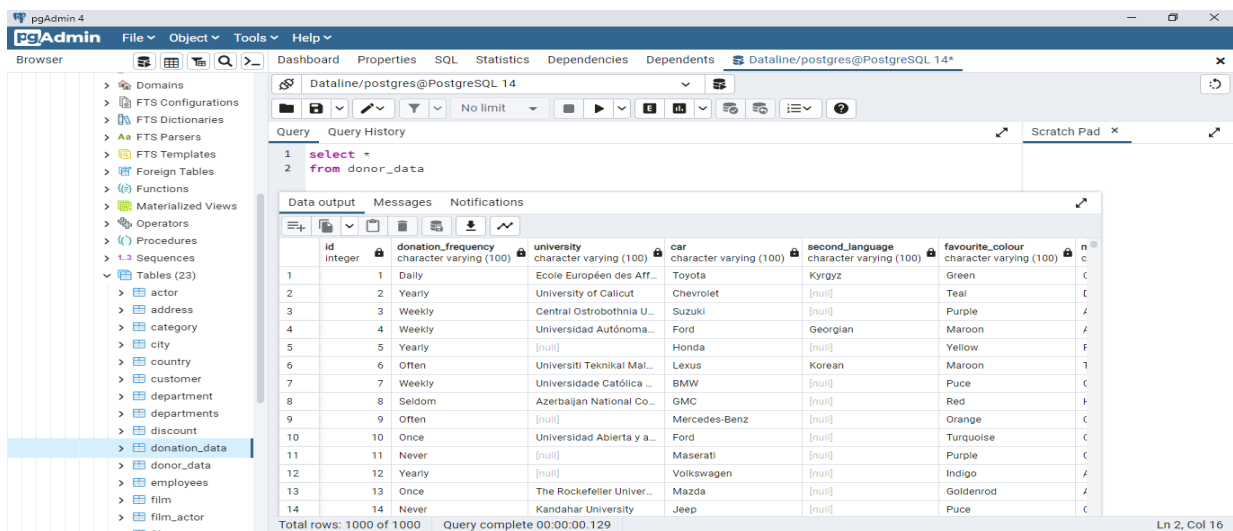
Data output Messages Notifications

	id	first_name	last_name	email	gender	job_field	donatic
1	1	Nefen	Rogerson	nrogerson0@tumblr.c...	Male	Human Resources	
2	2	Kippar	Saffin	ksaffin1@si.edu	Male	Human Resources	
3	3	Panchito	Crichley	pcrichley2@wired.com	Female	Engineering	
4	4	Skippy	McTavy	smctavy3@friendfeed...	Male	Sales	
5	5	Trudie	Codner	tcodner4@newyorker...	Male	Business Development	
6	6	Valentia	Padwick	vpadwick5@amazona...	Male	Engineering	
7	7	Gale	Hotchkin	ghotchkin6@com.com	Female	Legal	
8	8	Yovonnda	Habgood	yhabgood7@imagesh...	Male	Marketing	
9	9	Jazmin	Lubomirski	jlubomirski8@sourcef...	Male	Human Resources	
10	10	Carmina	Kluge	ckluge9@yahoo.co.jp	Female	Services	
11	11	Irena	Kennaird	ikennairda@mail.ru	Male	Services	
12	12	Kathi	Sissens	ksissensb@thegioba...	Male	Accounting	
13	13	Saw	Guiraud	sguiraudc@simplema...	Male	Legal	
14	14	Joanie	Broadhurst	jbroadhurstd@youku...	Male	Sales	

Total rows: 1000 of 1000 Query complete 00:00:00.258 Ln 2, Col 19

SELECT *

FROM donor_data



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Dashboard Properties SQL Statistics Dependencies Dependents

Dataline/postgres@PostgreSQL 14*

Query Query History

1 select *
2 from donor_data

Data output Messages Notifications

	id	donation_frequency	university	car	second_language	favourite_colour	n
1	1	Daily	Ecole Européen des Aff...	Toyota	Kyrgyz	Green	C
2	2	Yearly	University of Calicut	Chevrolet	[null]	Teal	C
3	3	Weekly	Central Ostrobothnia U...	Suzuki	[null]	Purple	A
4	4	Weekly	Universidad Autónoma...	Ford	Georgian	Maroon	A
5	5	Yearly	[null]	Honda	[null]	Yellow	F
6	6	Often	Universiti Teknikal Mal...	Lexus	Korean	Maroon	T
7	7	Weekly	Universidade Católica ...	BMW	[null]	Puce	C
8	8	Seldom	Azerbaijan National Co...	GMC	[null]	Red	T
9	9	Often	[null]	Mercedes-Benz	[null]	Orange	C
10	10	Once	Universidad Abierta y a...	Ford	[null]	Turquoise	C
11	11	Never	[null]	Maserati	[null]	Purple	C
12	12	Yearly	[null]	Volkswagen	[null]	Indigo	A
13	13	Once	The Rockefeller Univer...	Mazda	[null]	Goldenrod	A
14	14	Never	Kandahar University	Jeep	[null]	Puce	C

Total rows: 1000 of 1000 Query complete 00:00:00.129 Ln 2, Col 16

A. How much is the total donation?

```
SELECT SUM (donation)
FROM donation_data
```

Query		Query History
1	select *	
2	from donor_data	
3		
4	select donation	
5	from donation_data	
6		
7		

Data output		Messages	Notifications
	sum bigint		
1	249085		

B. What is the total donation by gender?

```
SELECT Gender, sum (donation)
from donation_data
Group by gender
```

select Gender, sum (donation)	
from donation_data	
Group by gender	

Data output		Messages	Notifications
gender character varying (50)	sum bigint		
Female	121457		
Male	127628		

c. Show the total donation and number of donations by gender

```
Select Gender, sum(donation), Count (donation)
From donation_data
Group by gender
```

```
Select Gender, sum(donation), Count (donation)
From donation_data
Group by gender
```

output Messages Notifications

gender	sum	count
character varying (50)	bigint	bigint
Female	121457	508
Male	127628	492

D. Total donation made by frequency of donation?

```
select donation, sum(donation), count(donation)as frquency_of_donation
from donation_data
group by donation
```

Query

Query History

Scratch Pad

```
1 select donation, sum(donation), count(donation)as frquency_of_donation
2 from donation_data
3 group by donation
```

Data output

Messages

Notifications

	donation integer	sum bigint	frquency_of_donation bigint
1	384	384	1
2	351	1053	3
3	184	920	5
4	87	435	5
5	477	477	1
6	273	1092	4
7	394	394	1
8	51	204	4
9	272	544	2

E. Total donation and number of donations by job field?

```
select sum(donation)as Total_donation, Count(job_field) as Num_of_donation_by_job_field
from donation_data;
```

```
select sum(donation), Count(donation) as frequency_of_donation
from donation_data
```

Data output Messages Notifications

	total_donation bigint	num_of_donation_by_job_field bigint
	249085	1000

F. Total donation and number of donations above 200

```
select sum(donation) as total_donation, count(donation) as number_of_donation
```

```
from donation_data
```

```
group by donation
```

```
having sum(donation)>200
```

```
1 select sum(donation) as total_donation, count(donation) as number_of_donation
2 from donation_data
3 group by donation
4 having sum(donation)>200
```

Data output Messages Notifications

	total_donation bigint	number_of_donation bigint
1	384	1
2	1053	3
3	920	5
4	435	5
5	477	1
6	1092	4
7	394	1
8	204	4
9	544	2

G. Total donation and number of donations below 200

```
select sum(donation) as total_donation, count(donation) as number_of_donation
```

```
from donation_data
```

group by donation

having sum(donation)<200

```
select sum(donation) as total_donation, count(donation) as number_of_donation
from donation_data
group by donation
having sum(donation)<200
```

	total_donation bigint	number_of_donation bigint
1	70	1
2	92	1
3	66	3
4	156	1
5	84	2
6	189	1
7	88	1
8	125	1
9	160	4

H. which top 10 states contributes the highest

Select Max(donation) as highest_donation, state

from donation_data

Group by state

LIMIT 10

```

10 Select Max(donation)as highest_donation, state
11 from donation_data
12 Group by state
13 LIMIT 10

```

	highest_donation integer	state character varying (50)
1	418	Oklahoma
2	423	North Carolina
3	459	Colorado
4	482	Mississippi
5	492	Florida
6	499	Delaware
7	491	Nevada
8	493	Louisiana
9	500	New York
10	184	West Virginia

I. which top 10 states contributes the least donation

Select Min(donation)as least_donation, state

from donation_data

Group by state

LIMIT 10

```

10 Select Min(donation)as least_donation, state
11 from donation_data
12 Group by state
13 LIMIT 10

```

	least_donation integer	state character varying (50)
1	5	Oklahoma
2	6	North Carolina
3	6	Colorado
4	22	Mississippi
5	7	Florida
6	60	Delaware
7	49	Nevada
8	27	Louisiana
9	17	New York
10	75	West Virginia

J. What are the top 10 cars driven by the highest donors?

Select Max(donation)as highest_donor, car as cars_driven

from donation_data

join donor_data

on donation_data.id = donor_data.id

group by car

limit 10

```
21 Select Max(donation) as highest_donor, car as cars_driven
22 from donation_data
23 join donor_data
24 on donation_data.id = donor_data.id
25 group by car
26 limit 10
```

Data output Messages Notifications

	highest_donor integer	cars_driven character varying (100)
1	500	Ford
2	411	Smart
3	494	Dodge
4	386	Maserati
5	452	Infiniti
6	498	MINI
7	339	Bentley
8	299	Austin
9	73	Peugeot
10	492	Pontiac