Fuel & Gasoline TAX Registrants

(SQL-Project)

Kanishk Kemwal

Student Number: 8842464

Business Analytics (Sec-1), Conestoga College

Subject Name: SQL And Data Analysis

Course Number: INFO8076

Jey Kumaresan

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Objective

The main goal of this project is the efficient use of SQL queries and Entity Relationship Diagrams (ERD) for the purpose of extracting complex information from the database encompassing the list of Fuel And Gasoline Tax Registrants. This project will enable consumers, clients and dealers to gain insights about queries to identify the business entities which have been authorised by the Canadian Ministry of Finance to deal with petrol, such as petrol, propane, petrol, and diesel fuel.

Data-Source

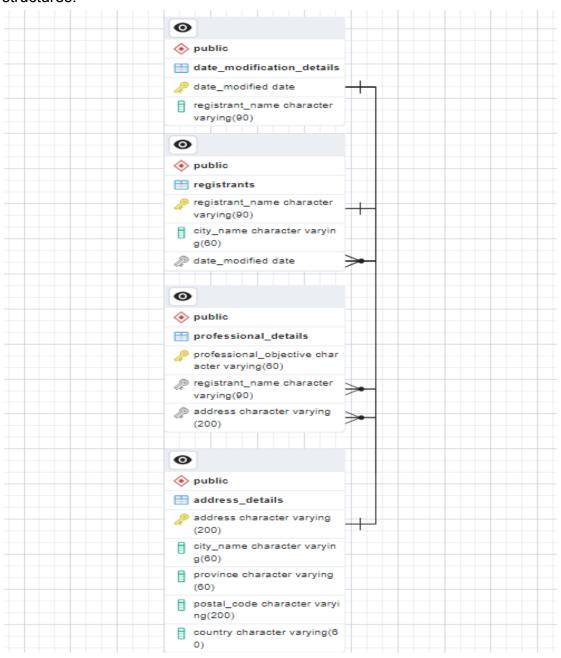
The whole database 'Fuel and Gasoline Tax Registrants' originated from the site of Ontario Date Catalogue by the Ministry of Finance unde the authorisation of the Federal Government.

Source: Fuel And Gasoline Tax Registrants

Website: https://data.ontario.ca/

Schema-Diagram

The following Schema diagram provides the visual representation of database structures.



As it can be observed from the above Entity Relationship Diagram, the database consists of four tables which can be explained as follows:-

a) Date_modification_details:

Primary Key: Date modified

Description:

This table stores information about registrants who have renewed their registration details. It includes the date of modification and registrants' names. The "Date Modified" column serves as the primary key for this table.

b) Address_details:

Primary Key: Address

Description:

This table contains information about addresses, including the city name, province, postal code, and country of origin. The "Address" column acts as the primary key for this table.

c) Registrants:

Primary Key: Registrant_name **Foreign Key**: Date_modied

Description:

This table provides detailed information about business entities, including their names, city names, and renewal dates. The "Registrant Name" column serves as the primary key, and it has a foreign key relationship with the "Date Modified" column from the "Date Modification Details" table.

d) Professional_details:

Primary Key: Professional_objective **Foreign Key**: Reigstrant_name, Address

Description:

This table contains information about business entities' professional objectives related to fuel and gasoline products, as well as their names and addresses. The "Professional Objective" column is the primary key, and it has foreign key relationships with the "Registrant Name" column from the "Registrants" table and the "Address" column from the "Address Details" table.

SQL - Queries

Query-1: This query uses simple **Select** and **from** syntax to retrieve all the details about the registrants from date modification details table.

Input:

Select registrant_name,city_name,date_modified From registrants;

	registrant_name [PK] character varying (90)	city_name character varying (60)	date_modified date
1	1067323 Ontario Ltd	SAINT-JEROME	2015-04-30
2	1435925 Ontario limited	Iroquois Falls	[null]
3	1550711 Ontario Inc.	Kemptville	[null]
4	1550983 Ontario Inc.	Maxville	[null]
5	1598313 ALBERTA LTD.	CALGARY	2015-07-20
6	2199434 Ontario Inc.	Nepean	2019-11-25
7	2530659 Ontario Limited	Cannington	2019-04-09
8	2540-0581 Quebec Inc. Supra Transport	Sherrington	[null]
9	2957-9398 Quebec Inc.	Mont-Laurier	[null]
10	367172 Ontario Limited Mccullough Service Centre	Paisley	[null]
11	4185129 Canada Inc.	Cantley	[null]
12	440411 Ontario Limited T.D. Smith	Mount Forest	2014-07-07
13	4Refuel GP Corporation	Langley	2019-08-20
14	4-Star Bulk Transport Inc.	Fort Edward	[null]
15	689803 Alberta Ltd	Edmonton	[null]
16	7328010 Canada Ltd.	Winnipeg	[null]

17	9016-0003 Quebec Inc Billette & Vincent	Sainte-Martine	[null]
18	9049-1135 Quebec Inc. SUROIT PROPANE	SAINTE-MARTINE	2021-11-25
19	9071-9535 Quebec Inc.	Ville-Marie	2015-04-01
20	9099-7255 Quebec Inc.	Val Dor	2016-04-14
21	9226-5776 Quebec Inc.	Trois-Revieres	2016-01-15
22	A. & L. Pinard Inc. o/a Petroles Temis	Ville-Marie	2014-12-12
23	AABCO Propane Inc.	Oldcastle	[null]
24	ADM Agri-Industries Company	Decatur	2018-08-09
25	Advantage Tank Lines, LLC	Canton	2019-11-25
26	Air BP Canada LLC	Warrenville	[null]
27	Air Canada	Saint-Laurent	[null]
28	Aldus Capital Corp. Francis Canada Products	Nepean	2017-08-15
29	Algoma Central Railway Inc.	Montreal	2018-10-11
30	ALGOMA TANKERS LIMITED	ST.CATHARINES	2017-03-09
31	Alliance Energy Services, LLC	North Kansas City	[null]
32	Alnve Truckina. LLC	Moravia	[null]

	registrant_name [PK] character varying (90)	city_name character varying (60)	date_modified date
33	Altagas Holdings Inc.	Calgary	2023-05-10
34	Ammex, Inc.	Detroit	[null]
35	Andrews-Mcvagh Limited	Selkirk	2015-06-10
36	APCO Industries Co. Limited	Toronto	[null]
37	Appropriate Chemical International Ltd	London	[null]
38	Archer-Daniels-Midland Company	Decatur	[null]
39	Arg Trucking Corp	Phelps	[null]
40	Arnold Oil, Inc.	Malone	2019-11-25
41	Ascent Aviation Group, Inc.	Parish	2017-10-30
42	Avfuel Corporation	Ann Arbor	[null]
43	Avjet Holding Inc.	Drummondville	[null]
44	BCP IV SERVICE STATION LIMITED	MARKHAM	2018-05-10
45	Bell-Gaz Ltee	St-Feliz-de-Valois	[null]
46	Bessette Et Boudreau Inc.	Val-Joli	2015-09-03
47	Better Way Logistics, LLC	Appleton	2020-03-27
48	Biox Canada Limited	Hamilton	2014-07-07

49	Blue Bear Wholesale, LLC	Akwesasne	2022-03-09
50	Blue Water Oil Transport	Richmond	[null]
51	Bogie Express Inc	Tecumseh	[null]
52	BP Canada Energy Group ULC	Calgary	[null]
53	10105406 CANADA INC.	SAINT-JEROME	[null]

Quer-2: The query uses **NOT null** syntax to extract the details related to registrants'name, city name and the renewal dates from the registrants table of those entities who have renewed their registration documents.

select registrant_name,city_name,date_modified from registrants where date_modified is NOT null;

	registrant_name [PK] character varying (90)	city_name character varying (60)	date_modified date
1	1067323 Ontario Ltd	SAINT-JEROME	2015-04-30
2	1598313 ALBERTA LTD.	CALGARY	2015-07-20
3	2199434 Ontario Inc.	Nepean	2019-11-25
4	2530659 Ontario Limited	Cannington	2019-04-09
5	440411 Ontario Limited T.D. Smith	Mount Forest	2014-07-07
6	4Refuel GP Corporation	Langley	2019-08-20
7	9049-1135 Quebec Inc. SUROIT PROPANE	SAINTE-MARTINE	2021-11-25
8	9071-9535 Quebec Inc.	Ville-Marie	2015-04-01
9	9099-7255 Quebec Inc.	Val Dor	2016-04-14
10	9226-5776 Quebec Inc.	Trois-Revieres	2016-01-15
11	A. & L. Pinard Inc. o/a Petroles Temis	Ville-Marie	2014-12-12
12	ADM Agri-Industries Company	Decatur	2018-08-09
13	Advantage Tank Lines, LLC	Canton	2019-11-25
14	Aldus Capital Corp. Francis Canada Products	Nepean	2017-08-15
15	Algoma Central Railway Inc.	Montreal	2018-10-11
16	ALGOMA TANKERS LIMITED	ST.CATHARINES	2017-03-09

17	Altagas Holdings Inc.	Calgary	2023-05-10
18	Andrews-Mcvagh Limited	Selkirk	2015-06-10
19	Arnold Oil, Inc.	Malone	2019-11-25
20	Ascent Aviation Group, Inc.	Parish	2017-10-30
21	BCP IV SERVICE STATION LIMITED	MARKHAM	2018-05-10
22	Bessette Et Boudreau Inc.	Val-Joli	2015-09-03
23	Better Way Logistics, LLC	Appleton	2020-03-27
24	Biox Canada Limited	Hamilton	2014-07-07
25	Blue Bear Wholesale, LLC	Akwesasne	2022-03-09

Query -3: This query also focuses on extracting the details of registrants who modified their registry documents, but in this case we will be using **self inner-join** to remove all the null values from our renewal dates from registrants table.

select R.registrant_name,R.city_name,D.date_modified from registrants R INNER JOIN registrants D on R.date_modified = D.date_modified order by R.registrant_name;

	registrant_name [PK] character varying (90)	city_name character varying (60)	date_modified date
1	1067323 Ontario Ltd	SAINT-JEROME	2015-04-30
2	1598313 ALBERTA LTD.	CALGARY	2015-07-20
3	2199434 Ontario Inc.	Nepean	2019-11-25
4	2199434 Ontario Inc.	Nepean	2019-11-25
5	2199434 Ontario Inc.	Nepean	2019-11-25
6	2530659 Ontario Limited	Cannington	2019-04-09
7	440411 Ontario Limited T.D. Smith	Mount Forest	2014-07-07
8	440411 Ontario Limited T.D. Smith	Mount Forest	2014-07-07
9	4Refuel GP Corporation	Langley	2019-08-20
10	9049-1135 Quebec Inc. SUROIT PROPANE	SAINTE-MARTINE	2021-11-25
11	9071-9535 Quebec Inc.	Ville-Marie	2015-04-01
12	9099-7255 Quebec Inc.	Val Dor	2016-04-14
13	9226-5776 Quebec Inc.	Trois-Revieres	2016-01-15
14	A. & L. Pinard Inc. o/a Petroles Temis	Ville-Marie	2014-12-12
15	ADM Agri-Industries Company	Decatur	2018-08-09
16	Advantage Tank Lines, LLC	Canton	2019-11-25
17	Advantage Tank Lines, LLC	Canton	2019-11-25
18	Advantage Tank Lines, LLC	Canton	2019-11-25
19	Aldus Capital Corp. Francis Canada Products	Nepean	2017-08-15
20	Algoma Central Railway Inc.	Montreal	2018-10-11
21	ALGOMA TANKERS LIMITED	ST.CATHARINES	2017-03-09
22	Altagas Holdings Inc.	Calgary	2023-05-10
23	Andrews-Mcvagh Limited	Selkirk	2015-06-10
24	Arnold Oil, Inc.	Malone	2019-11-25
25	Arnold Oil, Inc.	Malone	2019-11-25
26	Arnold Oil, Inc.	Malone	2019-11-25
27	Ascent Aviation Group, Inc.	Parish	2017-10-30
28	BCP IV SERVICE STATION LIMITED	MARKHAM	2018-05-10
29	Bessette Et Boudreau Inc.	Val-Joli	2015-09-03
30	Better Way Logistics, LLC	Appleton	2020-03-27
31	Biox Canada Limited	Hamilton	2014-07-07
32	Biox Canada Limited	Hamilton	2014-07-07

32	Biox Canada Limited	Hamilton	2014-07-07
33	Blue Bear Wholesale, LLC	Akwesasne	2022-03-09

Query -4: This query mainly focuses on getting the details of registrants who fall under the category of early registrants and late registrants using **case** statements and taking the date 2015-04-01 as the basis for the whole query.

Input:

select registrant_name,
case
when date_modified >= '2015-04-01' then 'LATE_registrants'
when date_modified < '2015-04-01' then 'Early_registrants'
END AS REGISTRATION_STATUS
from date_modification_details
order by registrant_name;

2 1598313 ALBERTA LTD. LATE_registrants 3 2530659 Ontario Limited LATE_registrants 4 440411 Ontario Limited T.D. Smith Early_registrants 5 4Refuel GP Corporation LATE_registrants 6 9049-1135 Quebec Inc. SUROIT PROPANE LATE_registrants 7 9071-9535 Quebec Inc. LATE_registrants 8 9099-7255 Quebec Inc. LATE_registrants 9 9226-5776 Quebec Inc. LATE_registrants 10 A. & L. Pinard Inc. o/a Petroles Temis Early_registrants 11 ADM Agri-Industries Company LATE_registrants 12 Advantage Tank Lines, LLC LATE_registrants 13 Aldus Capital Corp. Francis Canada Products LATE_registrants 14 Algoma Central Railway Inc. LATE_registrants 15 ALGOMA TANKERS LIMITED LATE_registrants			
2530659 Ontario Limited LATE_registrants 4 440411 Ontario Limited T.D. Smith Early_registrants 5 4Refuel GP Corporation LATE_registrants 6 9049-1135 Quebec Inc. SUROIT PROPANE LATE_registrants 7 9071-9535 Quebec Inc. LATE_registrants 8 9099-7255 Quebec Inc. LATE_registrants 9 9226-5776 Quebec Inc. LATE_registrants 10 A. & L. Pinard Inc. o/a Petroles Temis ADM Agri-Industries Company LATE_registrants 12 Advantage Tank Lines, LLC LATE_registrants 13 Aldus Capital Corp. Francis Canada Products LATE_registrants 14 Algoma Central Railway Inc. LATE_registrants LATE_registrants LATE_registrants LATE_registrants LATE_registrants	1	1067323 Ontario Ltd	LATE_registrants
4 440411 Ontario Limited T.D. Smith Early_registrants 5 4Refuel GP Corporation LATE_registrants 6 9049-1135 Quebec Inc. SUROIT PROPANE LATE_registrants 7 9071-9535 Quebec Inc. LATE_registrants 8 9099-7255 Quebec Inc. LATE_registrants 9 9226-5776 Quebec Inc. LATE_registrants 10 A. & L. Pinard Inc. o/a Petroles Temis Early_registrants 11 ADM Agri-Industries Company LATE_registrants 12 Advantage Tank Lines, LLC LATE_registrants 13 Aldus Capital Corp. Francis Canada Products LATE_registrants 14 Algoma Central Railway Inc. LATE_registrants 15 ALGOMA TANKERS LIMITED LATE_registrants	2	1598313 ALBERTA LTD.	LATE_registrants
4Refuel GP Corporation LATE_registrants 9049-1135 Quebec Inc. SUROIT PROPANE LATE_registrants 9071-9535 Quebec Inc. LATE_registrants 9099-7255 Quebec Inc. LATE_registrants 9226-5776 Quebec Inc. LATE_registrants 10 A. & L. Pinard Inc. o/a Petroles Temis Early_registrants ADM Agri-Industries Company LATE_registrants Advantage Tank Lines, LLC LATE_registrants Aldus Capital Corp. Francis Canada Products LATE_registrants Algoma Central Railway Inc. LATE_registrants LATE_registrants LATE_registrants LATE_registrants	3	2530659 Ontario Limited	LATE_registrants
6 9049-1135 Quebec Inc. SUROIT PROPANE LATE_registrants 7 9071-9535 Quebec Inc. LATE_registrants 8 9099-7255 Quebec Inc. LATE_registrants 9 9226-5776 Quebec Inc. LATE_registrants 10 A. & L. Pinard Inc. o/a Petroles Temis Early_registrants 11 ADM Agri-Industries Company LATE_registrants 12 Advantage Tank Lines, LLC LATE_registrants 13 Aldus Capital Corp. Francis Canada Products LATE_registrants 14 Algoma Central Railway Inc. LATE_registrants 15 ALGOMA TANKERS LIMITED LATE_registrants	4	440411 Ontario Limited T.D. Smith	Early_registrants
7 9071-9535 Quebec Inc. 8 9099-7255 Quebec Inc. 9 9226-5776 Quebec Inc. LATE_registrants 10 A. & L. Pinard Inc. o/a Petroles Temis LATE_registrants 11 ADM Agri-Industries Company LATE_registrants 12 Advantage Tank Lines, LLC LATE_registrants 13 Aldus Capital Corp. Francis Canada Products LATE_registrants	5	4Refuel GP Corporation	LATE_registrants
8 9099-7255 Quebec Inc. LATE_registrants 9 9226-5776 Quebec Inc. LATE_registrants 10 A. & L. Pinard Inc. o/a Petroles Temis Early_registrants 11 ADM Agri-Industries Company LATE_registrants 12 Advantage Tank Lines, LLC LATE_registrants 13 Aldus Capital Corp. Francis Canada Products LATE_registrants 14 Algoma Central Railway Inc. LATE_registrants 15 ALGOMA TANKERS LIMITED LATE_registrants	6	9049-1135 Quebec Inc. SUROIT PROPANE	LATE_registrants
9 9226-5776 Quebec Inc. LATE_registrants 10 A. & L. Pinard Inc. o/a Petroles Temis Early_registrants 11 ADM Agri-Industries Company LATE_registrants 12 Advantage Tank Lines, LLC LATE_registrants 13 Aldus Capital Corp. Francis Canada Products LATE_registrants 14 Algoma Central Railway Inc. LATE_registrants LATE_registrants LATE_registrants LATE_registrants	7	9071-9535 Quebec Inc.	LATE_registrants
A. & L. Pinard Inc. o/a Petroles Temis Early_registrants ADM Agri-Industries Company LATE_registrants Advantage Tank Lines, LLC LATE_registrants Aldus Capital Corp. Francis Canada Products LATE_registrants Algoma Central Railway Inc. LATE_registrants ALGOMA TANKERS LIMITED LATE_registrants	8	9099-7255 Quebec Inc.	LATE_registrants
ADM Agri-Industries Company LATE_registrants Advantage Tank Lines, LLC LATE_registrants Aldus Capital Corp. Francis Canada Products LATE_registrants Algoma Central Railway Inc. LATE_registrants LATE_registrants LATE_registrants	9	9226-5776 Quebec Inc.	LATE_registrants
12 Advantage Tank Lines, LLC LATE_registrants 13 Aldus Capital Corp. Francis Canada Products LATE_registrants 14 Algoma Central Railway Inc. LATE_registrants 15 ALGOMA TANKERS LIMITED LATE_registrants	10	A. & L. Pinard Inc. o/a Petroles Temis	Early_registrants
Aldus Capital Corp. Francis Canada Products LATE_registrants Algoma Central Railway Inc. LATE_registrants ALGOMA TANKERS LIMITED LATE_registrants	11	ADM Agri-Industries Company	LATE_registrants
14 Algoma Central Railway Inc. LATE_registrants 15 ALGOMA TANKERS LIMITED LATE_registrants	12	Advantage Tank Lines, LLC	LATE_registrants
15 ALGOMA TANKERS LIMITED LATE_registrants	13	Aldus Capital Corp. Francis Canada Products	LATE_registrants
	14	Algoma Central Railway Inc.	LATE_registrants
16 Altagas Holdings Inc. LATE_registrants	15	ALGOMA TANKERS LIMITED	LATE_registrants
	16	Altagas Holdings Inc.	LATE_registrants

18	Arnold Oil, Inc.	LATE_registrants
19	Ascent Aviation Group, Inc.	LATE_registrants
20	BCP IV SERVICE STATION LIMITED	LATE_registrants
21	Bessette Et Boudreau Inc.	LATE_registrants
22	Better Way Logistics, LLC	LATE_registrants
23	Biox Canada Limited	Early_registrants
24	Blue Bear Wholesale, LLC	LATE_registrants
25	Canada Clean Fuels Inc.	LATE_registrants
26	Canadian Enterprise Gas Products, Ltd.	LATE_registrants
27	Canadian Tire Corporation, Limited	Early_registrants
28	Cando Rail Services Ltd.	Early_registrants
29	Cenovus Energy Inc.	LATE_registrants
30	Centennial Gas Liquids, ULC	LATE_registrants
31	Charbonnerie Champlain Ltee	LATE_registrants
32	Chevron Phillips Chemical Holdings LLC	LATE_registrants

34	Co-op Service, Inc. of Baudette	LATE_registrants
35	Coco Paving Inc.	Early_registrants
36	Contrans Tank Group GP Inc.	LATE_registrants
37	Corrigan Oil Co., No. II	LATE_registrants
38	Costco Wholesale Canada Ltd.	LATE_registrants
39	CRESTWOOD SERVICES LLC	LATE_registrants
40	Crestwood Transportation LLC	LATE_registrants
41	Crystal Flash LP Of Michigan	LATE_registrants
42	Dandamar, LLC	Early_registrants
43	Daniel Ronald Vincent	LATE_registrants
44	DMM Energy Inc.	LATE_registrants
45	Doug Chalmers Inc.	LATE_registrants
46	Drummond Fuels (Ottawa) Ltd.	LATE_registrants
47	Eco-Energy, LLC.	LATE_registrants
48	Econo Petroleum Inc.	LATE_registrants
49	El Toro Corp.	LATE_registrants

QUERY-5: The query focuses on getting the information about the professional objectives of registrants regarding uage of petroleum products who belong to the city of NEPEAN using **INNER JOIN** syntax.

select R.registrant_name,PR.professional_objective,AD.city_name from registrants R INNER JOIN professional_details PR on R.registrant_name = PR.registrant_name INNER JOIN address_details AD ON PR.address = AD.address where AD.city_name = 'Nepean' order by R.registrant_name;

1	1067323 Ontario Ltd	Gasoline Import	Nepean
2	2199434 Ontario Inc.	Fuel Transportation	Nepean
3	Aldus Capital Corp. Francis Canada Products	Fuel Purhcase Permit	Nepean

Query-6: The query focuses on retrieving information about the registrant name whose professional objective is Propane Collection and Propane transport.

Input:

select registrant_name from professional_details where professional_objective IN (select professional_objective from professional_details where professional_objective IN ('Propane Collector','Propane Transporter'));

Output:

registrant_name character varying (90)	
1	9049-1135 Quebec Inc. SUROIT PROPANE
2	9099-7255 Quebec Inc.

Query-7: Getting the count of registrants belonging to the city of toronto and Calgary using **COUNT**, **IN**,**Group BY**, **and Order By** statements.

Input:

select city_name,count(registrant_name) AS count_OF_registrants from registrants where city_name IN ('Toronto','Calgary') group by city_name order by city_name;

Output:

	city_name character varying (60)	count_of_registrants bigint
1	Calgary	2
2	Toronto	1

Query-8: This query focuses on getting the count of registrants which deal in Propane products using **COUNT** and **list** syntaxes like ('Propane Transport','Propane Collector','Propane Transporter','Propane Aquisition') in our where statement for setting multiple filters and replacing the usage of '=' and '<>' syntaxes.

select professional_objective,count(registrant_name) AS COUNT_OF_REGISTRANTS from professional_details where professional_objective IN ('Propane Transport','Propane Collector','Propane

where professional_objective IN ('Propane Transport','Propane Collector','Propane Transporter','Propane Aquisition') group by professional_objective;

Output:

	professional_objective [PK] character varying (60)	count_of_registrants bigint	â
1	Propane Aquisition		1
2	Propane Collector		1
3	Propane Transporter		1
4	Propane Transport		1

Query-9: This query mainly focuses on getting the name and address details of registrants who have renewed their documents using **INNER JOIN** syntax between date modification details table and professional details table.

Input:

select D.registrant_name,PR.address from date_modification_details D INNER JOIN professional_details PR ON D.registrant_name = PR.registrant_name;

	tput.	registrant_name	address
		character varying (90)	character varying (200)
	1	1067323 Ontario Ltd	200-30 Colonnade Rd
Ž.	2	2530659 Ontario Limited	C2280 Cameron St. E.
	3	440411 Ontario Limited T.D. Smith	540 Sligo Rd E
	4	4Refuel GP Corporation	215-9440 202 St
	5	9049-1135 Quebec Inc. SUROIT PROPANE	1325 BOUL SAINT-JEAN-BAPTIST
	6	9071-9535 Quebec Inc.	6 Rue Des Oblats N
	7	9099-7255 Quebec Inc.	49 Rue Roland-Masse
U	8	9226-5776 Quebec Inc.	2950 Rue De La Sidbec N
	9	A. & L. Pinard Inc. o/a Petroles Temis	10 Rue Dube
	10	ADM Agri-Industries Company	4666 East Faries Parkway
1	11	Advantage Tank Lines, LLC	4895 Dressler Rd Nw
	12	Aldus Capital Corp. Francis Canada Products	12-28 Concourse Gate
	13	Algoma Central Railway Inc.	935 De La Gauchetiere St W 4th Flr
	14	ALGOMA TANKERS LIMITED	63 CHURCH ST UNIT 600
	15	Altagas Holdings Inc.	1700-355 4th Avenue SW
	16	Andrews-Mcvagh Limited	990 Main St

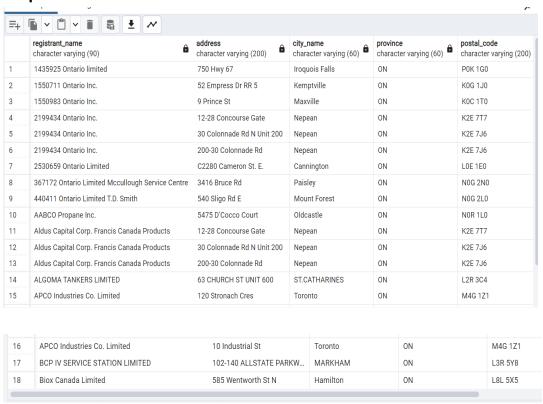
17	Arnold Oil, Inc.	253 Elm St
18	Ascent Aviation Group, Inc.	One Mill St
19	BCP IV SERVICE STATION LIMITED	102-140 ALLSTATE PARKWAY
20	Bessette Et Boudreau Inc.	680 Rte 143
21	Better Way Logistics, LLC	425 Better Way
22	Biox Canada Limited	585 Wentworth St N
23	Blue Bear Wholesale, LLC	76 Geronimo Lane

Query-10: This query focuses on retrieving the details of registrants who belong to the province of Ontario using INNER JOIN syntax between registrants and address_details table.

Select

R.registrant_name,AD.address,AD.city_name,AD.province,AD.postal_code,AD.country from registrants R INNER JOIN address_details AD ON R.city_name = AD.city_name where AD.province = 'ON' order by R.registrant_name;

Output:



Views

a) View Query -1:

Quebec and Alberta details:-

VIEW statement to store the details of registrants belonging to the province of Quebec and Alberta.

Create view **Quebec_and_Alberta_details** AS select
R.registrant_name,AD.address,AD.city_name,AD.province
from registrants R INNER JOIN address_details AD ON R.city_name =
AD.city_name
where AD.province IN ('QC','AB');

Output:

		egistrant_name haracter varying (90)	address character varying (200)	city_name character varying (60)	province character varying (60)
1	1	067323 Ontario Ltd	934 RUE DALHOUSIE	SAINT-JEROME	QC
2	1	598313 ALBERTA LTD.	585 AVE SW UNIT 4000	CALGARY	AB
3	2	2540-0581 Quebec Inc. Supra Transport	58 St. Patrice	Sherrington	QC
4	2	2957-9398 Quebec Inc.	198 Rue Godard	Mont-Laurier	QC
5	4	1185129 Canada Inc.	949 Montee Saint-Amour	Cantley	QC
6	9	0016-0003 Quebec Inc Billette & Vincent	1315 St-Jean-Baptiste	Sainte-Martine	QC
7	9	0049-1135 Quebec Inc. SUROIT PROPA	1325 BOUL SAINT-JEAN-BAPTIST	SAINTE-MARTINE	QC
8	9	071-9535 Quebec Inc.	10 Rue Dube	Ville-Marie	QC
9	9	071-9535 Quebec Inc.	6 Rue Des Oblats N	Ville-Marie	QC
10	9	226-5776 Quebec Inc.	2950 Rue De La Sidbec N	Trois-Revieres	QC
11	A	A. & L. Pinard Inc. o/a Petroles Temis	10 Rue Dube	Ville-Marie	QC
12	A	A. & L. Pinard Inc. o/a Petroles Temis	6 Rue Des Oblats N	Ville-Marie	QC
13	13 Air Canada		7373 Cote Vertu Ouest	Saint-Laurent	QC
14	A	Algoma Central Railway Inc.	935 De La Gauchetiere St W 4th Flr	Montreal	QC
15	Α	Altagas Holdings Inc.	240-4 Ave SW	Calgary	AB
16	A	Altagas Holdings Inc.	1700-355 4th Avenue SW	Calgary	AB
	17	Avjet Holding Inc.	900 Boul Lemire	Drummondville	QC
	18	Bell-Gaz Ltee	5300 Chemin St Gabriel	St-Feliz-de-Valois	QC
-	19	Bessette Et Boudreau Inc.	680 Rte 143	Val-Joli	QC
2	20	BP Canada Energy Group ULC	240-4 Ave SW	Calgary	AB
1	21	BP Canada Energy Group ULC	1700-355 4th Avenue SW	Calgary	AB

b) View Query -2:

Date modification status:-

View statement to store the details of registrants who have not modified their documents.

Input:

create view Date_modification_status AS select registrant_name,city_name from registrants WHERE date_modified is Null;

-+		
	registrant_name character varying (90) €	city_name character varying (60)
1	1435925 Ontario limited	Iroquois Falls
2	1550711 Ontario Inc.	Kemptville
3	1550983 Ontario Inc.	Maxville
4	2540-0581 Quebec Inc. Supra Transport	Sherrington
5	2957-9398 Quebec Inc.	Mont-Laurier
6	367172 Ontario Limited Mccullough Service Centre	Paisley
7	4185129 Canada Inc.	Cantley
8	4-Star Bulk Transport Inc.	Fort Edward
9	689803 Alberta Ltd	Edmonton
10	7328010 Canada Ltd.	Winnipeg
11	9016-0003 Quebec Inc Billette & Vincent	Sainte-Martine
12	AABCO Propane Inc.	Oldcastle
13	Air BP Canada LLC	Warrenville
14	Air Canada	Saint-Laurent
15	Alliance Energy Services, LLC	North Kansas City
16	Alnye Trucking, LLC	Moravia

_dı	17	Ammex, Inc.	Detroit
	18	APCO Industries Co. Limited	Toronto
	19	Appropriate Chemical International Ltd	London
	20	Archer-Daniels-Midland Company	Decatur
	21	Arg Trucking Corp	Phelps
	22	Avfuel Corporation	Ann Arbor
	23	Avjet Holding Inc.	Drummondville
U	24	Bell-Gaz Ltee	St-Feliz-de-Valois
	25	Blue Water Oil Transport	Richmond
	26	Bogie Express Inc	Tecumseh
	27	BP Canada Energy Group ULC	Calgary
	28	10105406 CANADA INC.	SAINT-JEROME

Conclusion

Therefore, after analyzing the data from the list of business entities that deal with petroleum products, it can be concluded that the above-mentioned queries can be used by the general public in order to get access to the overall information of the listed business organizations.