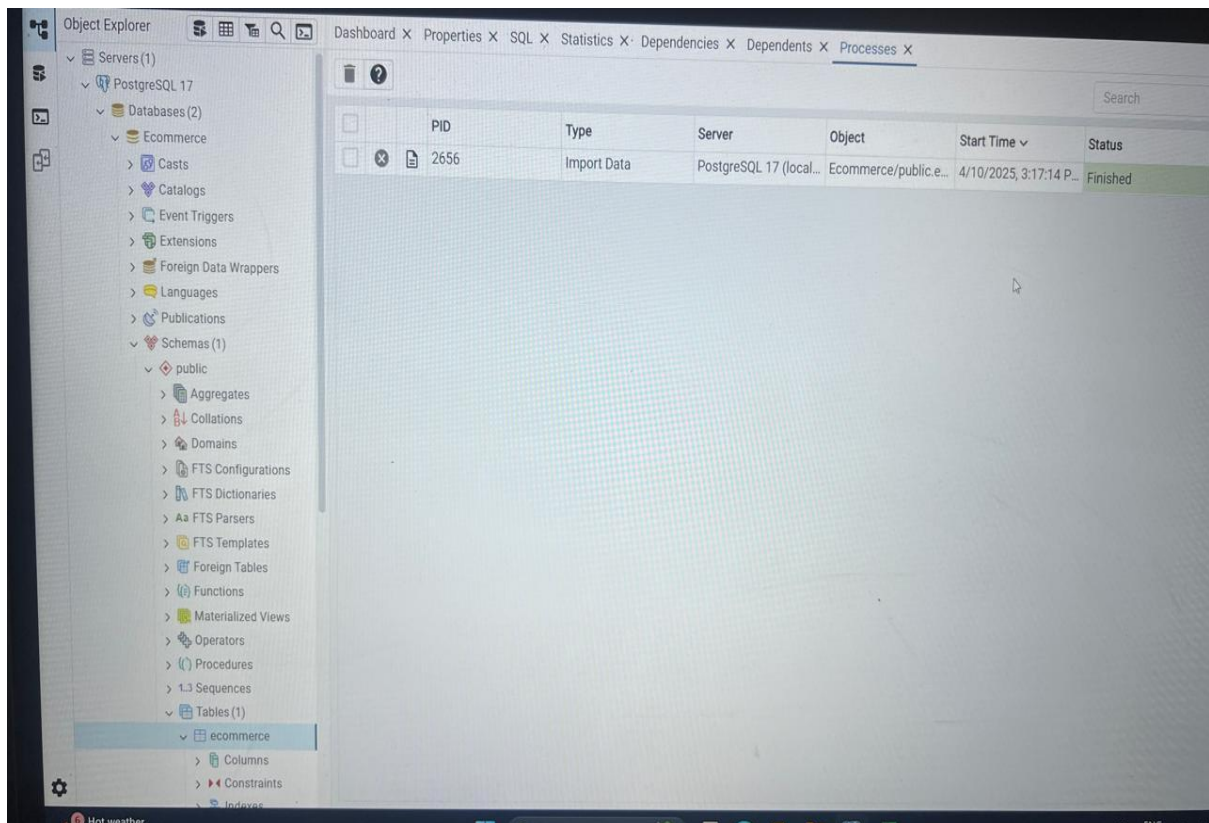
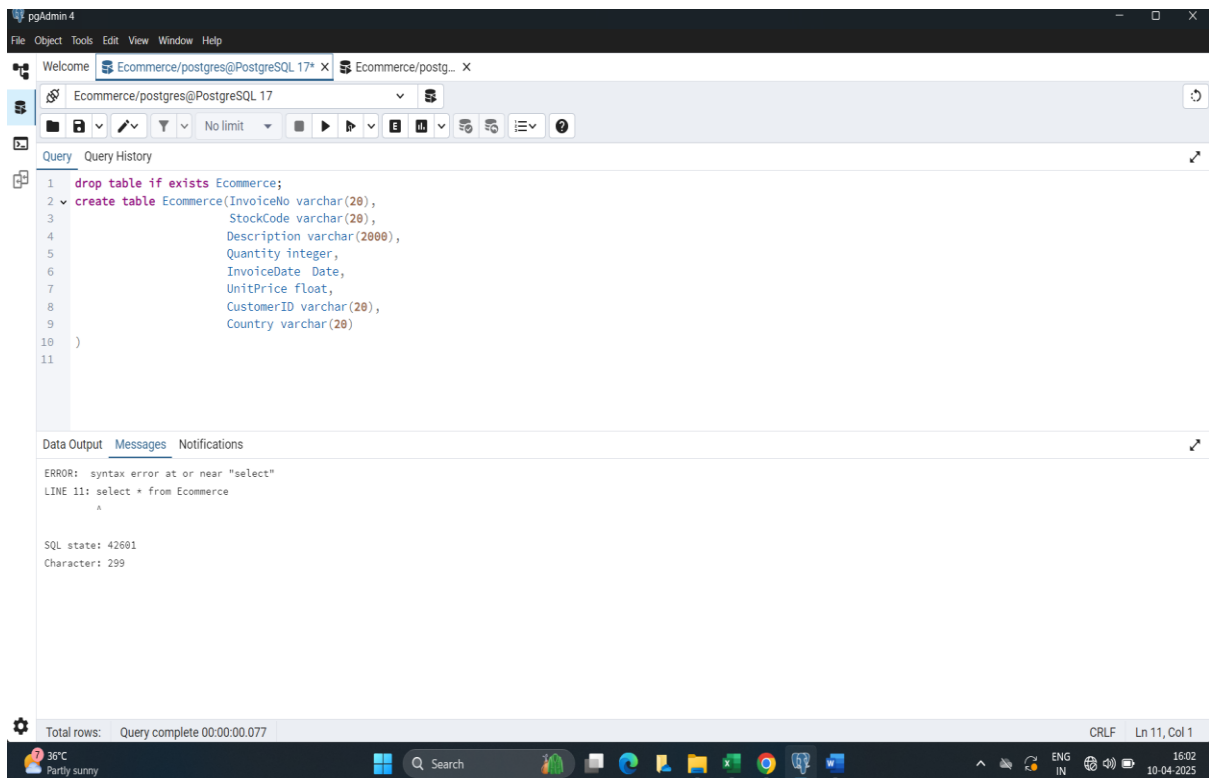


1. Importing Ecommerce dataset into the postgresQL



2. Creating table Ecommerce



3. Basic 'SELECT'

Ecommerce/postgres@PostgreSQL 17

Query History

```
select * from Ecommerce
```

Data Output Messages Notifications

Showing rows: 1 to 1000 | Page No: 1 of 542

	invoiceno character varying (20)	stockcode character varying (20)	description character varying (2000)	quantity character varying (20)	invoicedate date	unitprice double precision	customerid character varying (20)	country character varying (20)
18	536370	22631	CIRCUS PARADE LUNCH BOX	24	2010-12-01	1.95	12583	France
19	536370	22661	CHARLOTTE BAG DOLLY GIRL DESIGN	20	2010-12-01	0.85	12583	France
20	536370	21731	RED TOADSTOOL LED NIGHT LIGHT	24	2010-12-01	1.65	12583	France
21	536370	22900	SET 2 TEA TOWELS I LOVE LONDON	24	2010-12-01	2.95	12583	France
22	536370	21913	VINTAGE SEASIDE JIGSAW PUZZLES	12	2010-12-01	3.75	12583	France
23	536370	22540	MINI JIGSAW CIRCUS PARADE	24	2010-12-01	0.42	12583	France
24	536370	22544	MINI JIGSAW SPACEBOY	24	2010-12-01	0.42	12583	France
25	536370	22492	MINI PAINT SET VINTAGE	36	2010-12-01	0.65	12583	France
26	536370	POST	POSTAGE	3	2010-12-01	18	12583	France

Total rows: 541909 Query complete 00:00:00.792 CRLF

Welcome Ecommerce/postg... x Ecommerce/postg... x Ecommerce/postgres@PostgreSQL 17

Query Query History

```
1 select invoiceno, description, quantity, unitprice from Ecommerce
2
```

Data Output Messages Notifications

	invoiceno character varying (20)	description character varying (2000)	quantity character varying (20)	unitprice double precision
1	536365	WHITE HANGING HEART T-LIGHT HOLDER	6	2.55
2	536365	WHITE METAL LANTERN	6	3.39
3	536365	CREAM CUPID HEARTS COAT HANGER	8	2.75
4	536365	KNITTED UNION FLAG HOT WATER BOTTLE	6	3.39
5	536365	RED WOOLLY HOTTIE WHITE HEART.	6	3.39
6	536365	SET 7 BABUSHKA NESTING BOXES	2	7.65
7	536365	GLASS STAR FROSTED T-LIGHT HOLDER	6	4.25
8	536366	HAND WARMER UNION JACK	6	1.85
9	536366	HAND WARMER RED POLKA DOT	6	1.85

4. WHERE

The screenshot shows the pgAdmin 4 interface. The query editor contains the following SQL query:

```
1 select invoiceno, quantity, unitprice, quantity * unitprice as total_price from Ecommerce
2 where quantity < 5 order by total_price
3 limit 8
```

The Data Output pane shows the results of the query:

	invoiceno character varying (20)	quantity integer	unitprice double precision	total_price double precision
1	C581484	-80995	2.08	-168469.6
2	C541433	-74215	1.04	-77183.6
3	C556445	-1	38970	-38970
4	C580605	-1	17836.46	-17836.46
5	C540117	-1	16888.02	-16888.02
6	C540118	-1	16453.71	-16453.71
7	C537651	-1	13541.33	-13541.33
8	C537630	-1	13541.33	-13541.33

Total rows: 8 Query complete 00:00:00.307

The screenshot shows the pgAdmin 4 interface. The query editor contains the following SQL query:

```
1 select invoiceno, quantity, unitprice, quantity * unitprice as total_price from Ecommerce
2 where unitprice < 100 order by total_price
3 limit 8
```

The Data Output pane shows the results of the query:

	invoiceno character varying (20)	quantity integer	unitprice double precision	total_price double precision
1	C581484	-80995	2.08	-168469.6
2	C541433	-74215	1.04	-77183.6
3	A563186	1	-11062.06	-11062.06
4	A563187	1	-11062.06	-11062.06
5	C550456	-3114	2.1	-6539.400000000001
6	C550456	-1930	2.55	-4921.5
7	C550456	-670	6.75	-4522.5
8	C567527	-756	5.06	-3825.3599999999997

pgAdmin 4

Welcome Ecommerce/postgres@PostgreSQL 17 X

Ecommerce/postgres@PostgreSQL 17

Query Query History

```
1 select * from Ecommerce
2 where invoicedate
3 between '2010-12-02' and '2010-12-06'
```

Data Output Messages Notifications

Showing rows: 1 to 1000 Page No: 1 of 11

	invoiceno character varying (20)	stockcode character varying (20)	description character varying (2000)	quantity integer	invoicedate date	unitprice double precision	customerid character varying (20)	country character varying (20)
1	536598	21421	PORCELAIN ROSE LARGE	12	2010-12-02	1.25	13090	United Kingdom
2	536598	21422	PORCELAIN ROSE SMALL	16	2010-12-02	0.85	13090	United Kingdom
3	536598	22178	VICTORIAN GLASS HANGING T-LIGHT	24	2010-12-02	1.25	13090	United Kingdom
4	536598	22617	BAKING SET SPACEBOY DESIGN	24	2010-12-02	4.25	13090	United Kingdom
5	536599	22968	ROSE COTTAGE KEEPSAKE BOX	8	2010-12-02	8.5	15694	United Kingdom
6	536599	22727	ALARM CLOCK BAKELIKE RED	4	2010-12-02	3.75	15694	United Kingdom
7	536599	22726	ALARM CLOCK BAKELIKE GREEN	12	2010-12-02	3.75	15694	United Kingdom
8	536599	84945	MULTI COLOUR SILVER T-LIGHT HOLDER	36	2010-12-02	0.85	15694	United Kingdom
9	536599	20749	ASSORTED COLOUR MINI CASES	12	2010-12-02	6.35	15694	United Kingdom

Total rows: 10914 Query complete 00:00:00.317 CRLF Ln 3, Col 1

34°C Light rain 17:59 10-04-2025

pgAdmin 4

Welcome Ecommerce/postgres@PostgreSQL 17 X

Ecommerce/postgres@PostgreSQL 17

Query Query History

```
1 select * from Ecommerce where customerid='12838'
```

Data Output Messages Notifications

Showing rows: 1 to 123 Page No: 1 of 1

	invoiceno character varying (20)	stockcode character varying (20)	description character varying (2000)	quantity integer	invoicedate date	unitprice double precision	customerid character varying (20)	country character varying (20)
10	536415	22470	HEART OF WICKER LARGE	1	2010-12-01	2.95	12838	United Kingdom
11	536415	22580	ADVENT CALENDAR GINGHAM SACK	1	2010-12-01	5.95	12838	United Kingdom
12	536415	22469	HEART OF WICKER SMALL	5	2010-12-01	1.65	12838	United Kingdom
13	536415	22147	FELTCRAFT BUTTERFLY HEARTS	4	2010-12-01	1.45	12838	United Kingdom
14	536415	22130	PARTY CONE CHRISTMAS DECORATIO...	6	2010-12-01	0.85	12838	United Kingdom
15	536415	21791	VINTAGE HEADS AND TAILS CARD GA...	3	2010-12-01	1.25	12838	United Kingdom
16	536415	22694	WICKER STAR	5	2010-12-01	2.1	12838	United Kingdom
17	536415	21790	VINTAGE SNAP CARDS	3	2010-12-01	0.85	12838	United Kingdom
18	536415	22149	FELTCRAFT 6 FLOWER FRIENDS	4	2010-12-01	2.1	12838	United Kingdom

Total rows: 123 Query complete 00:00:00.252 CRLF Ln 1, Col 48

Rain to stop 6:14 pm 17:54 10-04-2025

5. GROUP BY

The screenshot shows a SQL IDE interface with a query editor and a data output panel. The query is as follows:

```
1 select quantity ,avg(unitprice) as avg_price
2 from Ecommerce
3 group by quantity
```

The data output panel displays the results of the query, showing 7 rows. The columns are 'quantity' (integer) and 'avg_price' (double precision). The data is as follows:

	quantity	avg_price
1	-80995	2.08
2	-74215	1.04
3	-9600	0
4	-9360	0.03
5	-9058	0
6	-5368	0
7	-4830	0

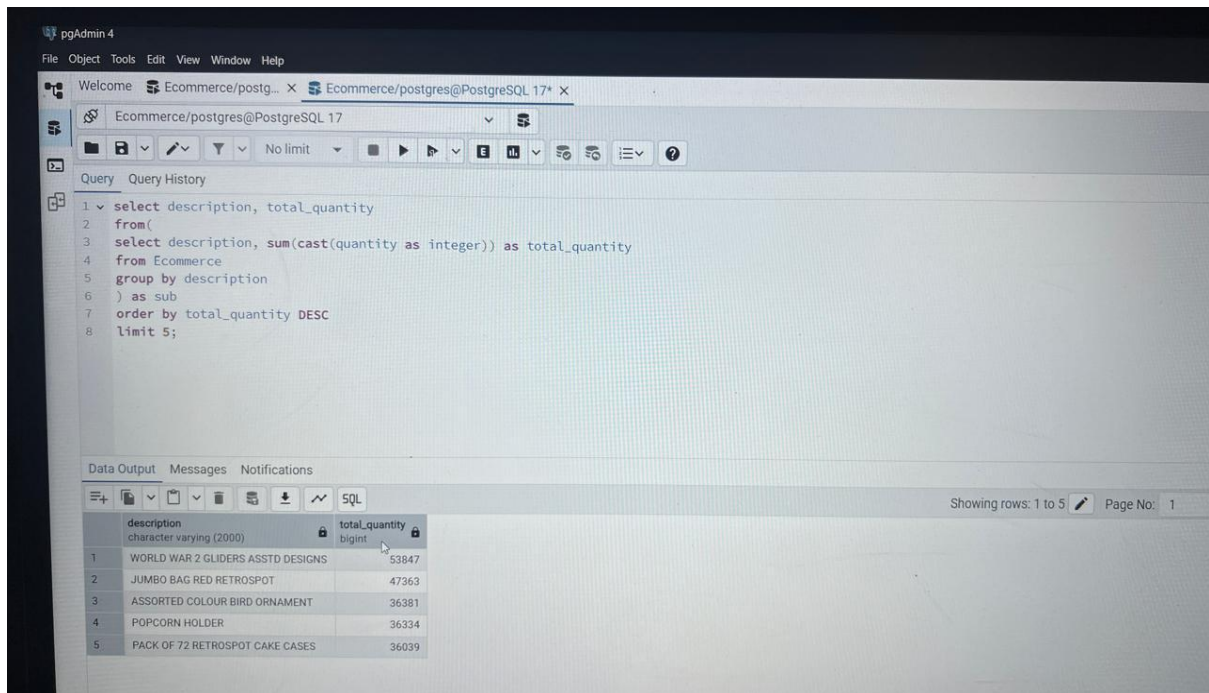
The screenshot shows a SQL IDE interface with a query editor and a data output panel. The query is as follows:

```
1 select quantity ,sum(unitprice) as sum_price
2 from Ecommerce
3 group by quantity
```

The data output panel displays the results of the query, showing 6 rows. The columns are 'quantity' (integer) and 'sum_price' (double precision). The data is as follows:

	quantity	sum_price
1	-80995	2.08
2	-74215	1.04
3	-9600	0
4	-9360	0.03
5	-9058	0
6	-5368	0

6. ORDER BY

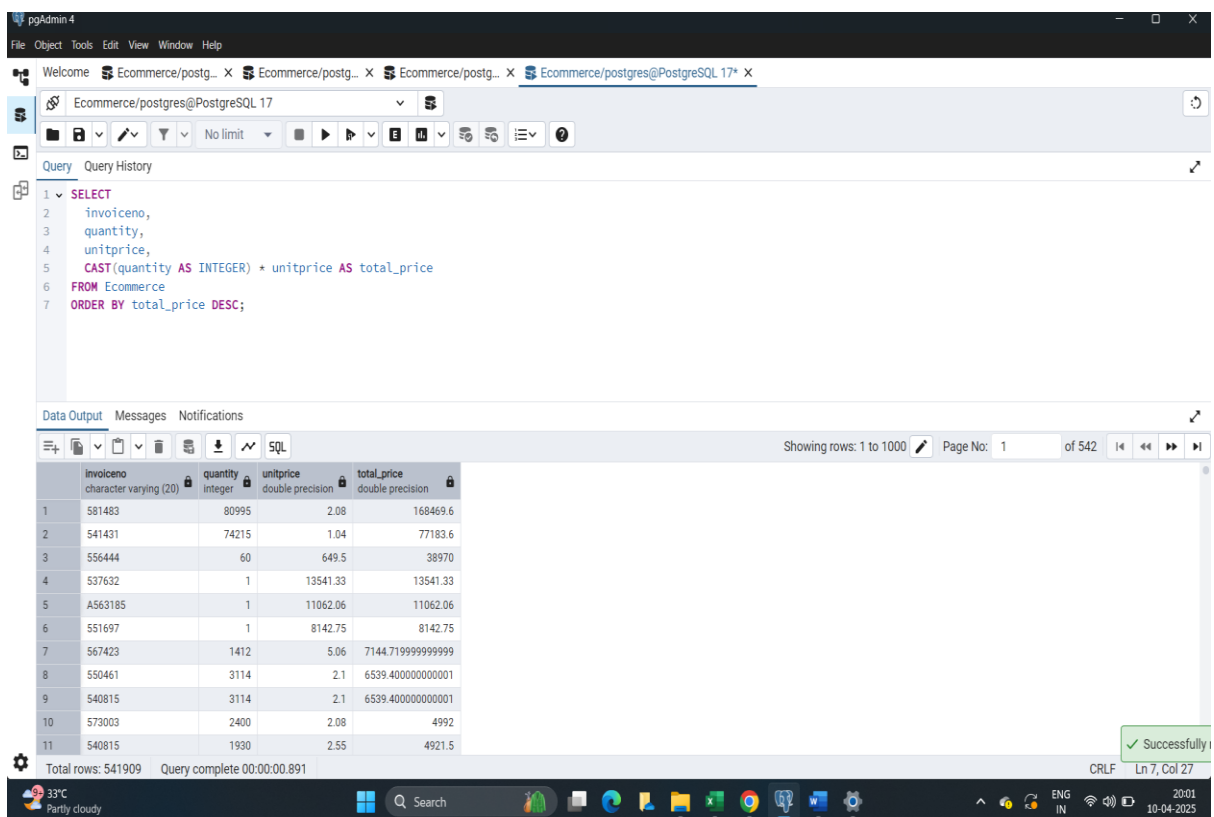


The screenshot shows the pgAdmin 4 interface. The query editor contains the following SQL code:

```
1 select description, total_quantity
2 from(
3 select description, sum(cast(quantity as integer)) as total_quantity
4 from Ecommerce
5 group by description
6 ) as sub
7 order by total_quantity DESC
8 limit 5;
```

The Data Output tab shows the results of the query:

	description character varying (2000)	total_quantity bigint
1	WORLD WAR 2 GLIDERS ASSTD DESIGNS	53847
2	JUMBO BAG RED RETROSPOT	47363
3	ASSORTED COLOUR BIRD ORNAMENT	36381
4	POPCORN HOLDER	36334
5	PACK OF 72 RETROSPOT CAKE CASES	36039



The screenshot shows the pgAdmin 4 interface. The query editor contains the following SQL code:

```
1 SELECT
2   invoiceno,
3   quantity,
4   unitprice,
5   CAST(quantity AS INTEGER) * unitprice AS total_price
6 FROM Ecommerce
7 ORDER BY total_price DESC;
```

The Data Output tab shows the results of the query:

	invoiceno character varying (20)	quantity integer	unitprice double precision	total_price double precision
1	581483	80995	2.08	168469.6
2	541431	74215	1.04	77183.6
3	556444	60	649.5	38970
4	537632	1	13541.33	13541.33
5	A563185	1	11062.06	11062.06
6	551697	1	8142.75	8142.75
7	567423	1412	5.06	7144.719999999999
8	550461	3114	2.1	6539.400000000001
9	540815	3114	2.1	6539.400000000001
10	573003	2400	2.08	4992
11	540815	1930	2.55	4921.5

At the bottom of the interface, a status bar indicates: Total rows: 541909, Query complete 00:00:00.891, and a green success message: Successfully.

7. Aggregate Function (AVG , SUM)

The screenshot shows a SQL IDE with a query editor and a results pane. The query is as follows:

```
1 select distinct customerid, country
2 from Ecommerce
3 where unitprice > (
4 select avg (unitprice)
5 from Ecommerce
6 )
```

The results pane shows the following data:

	customerid character varying (20)	country character varying (20)
1	16425	United Kingdom
2	16613	United Kingdom
3	12785	Portugal
4	15738	United Kingdom
5	16563	United Kingdom
6	12623	Germany

The screenshot shows a SQL IDE with a query editor and a results pane. The query is as follows:

```
1 SELECT
2     customerID,
3     SUM(quantity * unitprice) AS total_sales
4 FROM
5     Ecommerce
6 GROUP BY
7     customerID;
```

The results pane shows the following data:

	customerid character varying (20)	total_sales double precision
1	16692	1276
2	[null]	1447682.1200001515
3	12377	1628.1199999999997
4	13655	932.97
5	15967	418.83000000000004
6	13165	1021.4799999999999
7	12714	4708.8599999999998
8	16352	494.44000000000005

8. SUB Queries

pgAdmin 4

Welcome Ecommerce/postg... X Ecommerce/postg... X Ecommerce/postg... X Ecommerce/postgres@PostgreSQL 17* X

Ecommerce/postgres@PostgreSQL 17

Query Query History

```
1 SELECT *
2 FROM Ecommerce
3 WHERE unitprice > (
4     SELECT AVG(unitprice)
5     FROM Ecommerce
6 );
```

Data Output Messages Notifications

Showing rows: 1 to 1000 Page No: 1 of 113

	invoiceño character varying (20)	stockcode character varying (20)	description character varying (2000)	quantity integer	invoicedate date	unitprice double precision	customerid character varying (20)	country character varying (20)
1	536365	22752	SET 7 BABUSHKA NESTING BOXES	2	2010-12-01	7.65	17850	United Kingdom
2	536367	22623	BOX OF VINTAGE JIGSAW BLOCKS	3	2010-12-01	4.95	13047	United Kingdom
3	536367	22622	BOX OF VINTAGE ALPHABET BLOCKS	2	2010-12-01	9.95	13047	United Kingdom
4	536367	21754	HOME BUILDING BLOCK WORD	3	2010-12-01	5.95	13047	United Kingdom
5	536367	21755	LOVE BUILDING BLOCK WORD	3	2010-12-01	5.95	13047	United Kingdom
6	536367	21777	RECIPE BOX WITH METAL HEART	4	2010-12-01	7.95	13047	United Kingdom
7	536367	48187	DOORMAT NEW ENGLAND	4	2010-12-01	7.95	13047	United Kingdom
8	536368	22913	RED COAT RACK PARIS FASHION	3	2010-12-01	4.95	13047	United Kingdom
9	536368	22912	YELLOW COAT RACK PARIS FASHION	3	2010-12-01	4.95	13047	United Kingdom
10	536368	22914	BLUE COAT RACK PARIS FASHION	3	2010-12-01	4.95	13047	United Kingdom
11	536369	21756	BATH BUILDING BLOCK WORD	3	2010-12-01	5.95	13047	United Kingdom

Total rows: 112649 Query complete 00:00:00.595 CRLF Ln 6, Col 3

Upcoming Earnings

Search

19:40 10-04-2025

pgAdmin 4

Welcome Ecommerce/postg... X Ecommerce/postg... X Ecommerce/postg... X Ecommerce/postgres@PostgreSQL 17* X

Ecommerce/postgres@PostgreSQL 17

Query Query History

```
1 SELECT invoiceño, total_sales
2 FROM (
3     SELECT
4         invoiceño,
5         SUM(CAST(quantity AS INTEGER) * unitprice) AS total_sales
6     FROM Ecommerce
7     GROUP BY invoiceño
8 ) AS invoice_totals
9 WHERE total_sales > 100;
```

Data Output Messages Notifications

Showing rows: 1 to 1000 Page No: 1 of 18

invoiceño character varying (20)	total_sales double precision
574935	301.04
548909	705.8399999999999
572671	909.26
557527	712.3
560145	709.74
566630	157.20000000000002
569888	502.9
574239	467.85999999999996
563923	157.8
559980	202.87
543279	319.4

Total rows: 17238 Query complete 00:00:00.291 CRLF Ln 9, Col 25

31°C Partly cloudy

Search

19:45 10-04-2025

9. VIEWS

The screenshot shows the pgAdmin 4 interface. The query editor contains the following SQL code:

```
1 create view order_details_view as
2 select
3     invoiceno,
4     stockcode,
5     description,
6     CAST(quantity as integer) as quantity,
7     unitprice,
8     CAST(quantity as integer) * unitprice AS total_price,
9     customerid,
10    country,
11    invoicedate
12 from Ecommerce
```

The Messages tab shows the output: "CREATE VIEW" and "Query returned successfully in 95 msec." The status bar at the bottom indicates "Total rows: Query complete 00:00:00.095" and "CRLF Ln 12, Col 15".

The screenshot shows the pgAdmin 4 interface with the query editor containing the following SQL code:

```
1 select * from order_details_view;
```

The Data Output tab displays the results of the query. The status bar at the bottom indicates "Total rows: 541909" and "Query complete 00:00:00.952".

	invoiceno character varying (20)	stockcode character varying (20)	description character varying (2000)	quantity integer	unitprice double precision	total_price double precision	customerid character varying (20)	country character varying (20)	invoicedate date
1	536365	85123A	WHITE HANGING HEART T-LIGHT HOLDER	6	2.55	15.299999999999999	17850	United Kingdom	2010-12-01
2	536365	71053	WHITE METAL LANTERN	6	3.39	20.34	17850	United Kingdom	2010-12-01
3	536365	84406B	CREAM CUPID HEARTS COAT HANGER	8	2.75	22	17850	United Kingdom	2010-12-01
4	536365	84029G	KNITTED UNION FLAG HOT WATER BOTTLE	6	3.39	20.34	17850	United Kingdom	2010-12-01
5	536365	84029E	RED WOOLLY HOTTIE WHITE HEART.	6	3.39	20.34	17850	United Kingdom	2010-12-01
6	536365	22752	SET 7 BABUSHKA NESTING BOXES	2	7.65	15.3	17850	United Kingdom	2010-12-01
7	536365	21730	GLASS STAR FROSTED T-LIGHT HOLDER	6	4.25	25.5	17850	United Kingdom	2010-12-01
8	536366	22633	HAND WARMER UNION JACK	6	1.85	11.100000000000001	17850	United Kingdom	2010-12-01
9	536366	22632	HAND WARMER RED POLKA DOT	6	1.85	11.100000000000001	17850	United Kinadom	2010-12-01

10. CREATING table-2 Customers to use joins

The screenshot shows the pgAdmin 4 interface. The 'Query' tab is active, displaying a SQL script to create a table named 'customers'. The script defines columns for customerID, firstname, lastname, Email, phone, and Country, all as VARCHAR(50). The 'Messages' tab below shows the successful execution of the 'CREATE TABLE' command, returning the message 'Query returned successfully in 66 msec.'.

```
1 create table customers (  
2 customerID varchar(50),  
3 firstname varchar(50),  
4 lastname varchar(50),  
5 Email varchar(50),  
6 phone varchar(50),  
7 Country varchar(50)  
8 )
```

Data Output Messages Notifications

CREATE TABLE

Query returned successfully in 66 msec.

Total rows: Query complete 00:00:00.066 CRLF Ln 6, Col 19

The screenshot shows the pgAdmin 4 interface with the 'Query' tab active, displaying a SQL script to select all data from the 'customers' table. The 'Messages' tab is active, showing the results of the query as a table with 11 rows. The table columns are customerid, firstname, lastname, email, phone, and country. The data includes customers from the United Kingdom, France, and Australia.

```
1 select * from customers
```

Data Output Messages Notifications

Showing rows: 1 to 11 Page No: 1 of 1

	customerid character varying (50)	firstname character varying (50)	lastname character varying (50)	email character varying (50)	phone character varying (50)	country character varying (50)
1	17850	John	Doe	john.doe@example.com	123-456-7890	United Kingdom
2	13047	Jane	Smith	jane.smith@example.com	234-567-8901	United Kingdom
3	12583	Alice	Johnson	alice.j@example.com	345-678-9012	France
4	13748	Bob	Brown	bob.brown@example.co..	456-789-0123	United Kingdom
5	17850	Charlie	Davis	charlie.d@example.com	567-890-1234	United Kingdom
6	14688	Diana	Wilson	diana.w@example.com	678-901-2345	United Kingdom
7	15311	Ethan	Miller	ethan.m@example.com	789-012-3456	United Kingdom
8	16098	Fiona	Garcia	fiona.g@example.com	890-123-4567	United Kingdom
9	180074	George	Martinez	george.m@example.com	901-234-5678	United Kingdom
10	16029	Hannah	Anderson	hannah.a@example.com	012-345-6789	United Kingdom
11	12431	Isaac	Taylor	isaac.t@example.com	111-222-3333	Australia

Total rows: 11 Query complete 00:00:00.140 CRLF Ln 1, Col 24

11. INDEX

The screenshot shows the pgAdmin 4 interface. The query editor contains the following SQL statement:

```
1 create index idx_country on ecommerce(country);
```

The Messages tab is selected, displaying the following output:

```
CREATE INDEX  
  
Query returned successfully in 695 msec.
```

The status bar at the bottom indicates "Total rows: Query complete 00:00:00.695" and "CRLF Ln 1, Col 48".

The screenshot shows the pgAdmin 4 interface. The query editor contains the following SQL statement:

```
1 SELECT indexname, indexdef  
2 FROM pg_indexes  
3 WHERE tablename = 'ecommerce';
```

The Data Output tab is selected, displaying the following results:

indexname	indexdef
idx_country	CREATE INDEX idx_country ON public.ecommerce USING btree (country)

The status bar at the bottom indicates "Total rows: 1" and "Query complete 00:00:00.104".

12. JOINS (Inner, Left, Right)

The screenshot shows the pgAdmin 4 interface with a query window titled "Ecommerce/postgres@PostgreSQL 17". The query is an INNER JOIN between the "Ecommerce" table and the "customers" table on the "customerID" column. The query is as follows:

```
1 select
2   e.invoiceno,
3   e.invoicedate,
4   e.quantity,
5   e.unitprice,
6   c.firstname,
7   c.lastname
8 from Ecommerce e
9 inner join customers c
10    on e.customerID = c.customerid
```

The "Data Output" tab shows the results of the query. The table has 11 rows and 7 columns: "invoiceno", "invoicedate", "quantity", "unitprice", "firstname", and "lastname". The results are as follows:

	invoiceno	invoicedate	quantity	unitprice	firstname	lastname
1	536365	2010-12-01	6	2.55	Charlie	Davis
2	536365	2010-12-01	6	2.55	John	Doe
3	536365	2010-12-01	6	3.39	Charlie	Davis
4	536365	2010-12-01	6	3.39	John	Doe
5	536365	2010-12-01	8	2.75	Charlie	Davis
6	536365	2010-12-01	8	2.75	John	Doe
7	536365	2010-12-01	6	3.39	Charlie	Davis
8	536365	2010-12-01	6	3.39	John	Doe
9	536365	2010-12-01	6	3.39	Charlie	Davis
10	536365	2010-12-01	6	3.39	John	Doe
11	536365	2010-12-01	2	7.65	Charlie	Davis

Total rows: 4530 Query complete 00:00:00.287

The screenshot shows the pgAdmin 4 interface with a query window titled "Ecommerce/postgres@PostgreSQL 17". The query is a LEFT JOIN between the "Ecommerce" table and the "customers" table on the "customerID" column. The query is as follows:

```
1 select
2   e.invoiceno,
3   e.invoicedate,
4   e.quantity,
5   e.unitprice,
6   c.firstname,
7   c.lastname
8 from Ecommerce e
9 left join customers c
10    on e.customerID = c.customerid
```

The "Data Output" tab shows the results of the query. The table has 11 rows and 7 columns: "invoiceno", "invoicedate", "quantity", "unitprice", "firstname", and "lastname". The results are as follows:

	invoiceno	invoicedate	quantity	unitprice	firstname	lastname
1	536365	2010-12-01	6	2.55	Charlie	Davis
2	536365	2010-12-01	6	2.55	John	Doe
3	536365	2010-12-01	6	3.39	Charlie	Davis
4	536365	2010-12-01	6	3.39	John	Doe
5	536365	2010-12-01	8	2.75	Charlie	Davis
6	536365	2010-12-01	8	2.75	John	Doe
7	536365	2010-12-01	6	3.39	Charlie	Davis
8	536365	2010-12-01	6	3.39	John	Doe
9	536365	2010-12-01	6	3.39	Charlie	Davis
10	536365	2010-12-01	6	3.39	John	Doe
11	536365	2010-12-01	2	7.65	Charlie	Davis

Total rows: 542221 Query complete 00:00:00.520

Successfully run. Total query runtime: 520 msec. 542221 rows affected.

pgAdmin 4

File Object Tools Edit View Window Help

Welcome Ecommerce/postg... X Ecommerce/postg... X Ecommerce/postgres@PostgreSQL 17* X

Ecommerce/postgres@PostgreSQL 17

Query Query History

```
1 select
2   e.invoiceno,
3   e.invoicedate,
4   e.quantity,
5   e.unitprice,
6   c.firstname,
7   c.lastname
8 from Ecommerce e
9 right join customers c
10  on e.customerID = c.customerid
```

Data Output Messages Notifications

Showing rows: 1 to 1000 Page No: 1 of 5

	invoiceno character varying (20)	invoicedate date	quantity integer	unitprice double precision	firstname character varying (50)	lastname character varying (50)
1	536365	2010-12-01	6	2.55	Charlie	Davis
2	536365	2010-12-01	6	2.55	John	Doe
3	536365	2010-12-01	6	3.39	Charlie	Davis
4	536365	2010-12-01	6	3.39	John	Doe
5	536365	2010-12-01	8	2.75	Charlie	Davis
6	536365	2010-12-01	8	2.75	John	Doe
7	536365	2010-12-01	6	3.39	Charlie	Davis
8	536365	2010-12-01	6	3.39	John	Doe
9	536365	2010-12-01	6	3.39	Charlie	Davis
10	536365	2010-12-01	6	3.39	John	Doe
11	536365	2010-12-01	2	7.65	Charlie	Davis

Total rows: 4531 Query complete 00:00:00.209 CRLF Ln 9, Col 7

Upcoming Earnings

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