

File Object Tools Edit View Window Help

Object Explorer

- Event Triggers
- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (4)
 - hotel_reservation
 - sleephealthlifestyle
 - studentperformance
 - uniquedestination
 - Trigger Functions

Dashboard X Properties X SQL X Statistics X Dependencies X Dependents X Processes X Hotel_reservation.sql X

testdb/postgres@PostgreSQL 17

No limit

Query Query History

```
SELECT booking_id,
room_type_reserved,
arrival_date,
market_segment_type,
avg_price_per_room,
booking_status
FROM Hotel_reservation
WHERE booking_status = 'Not_Canceled'

SELECT market_segment_type,
SUM(avg_price_per_room) AS revenue_generated
```

Data Output Messages Notifications

Showing rows: 1 to 493 Page No: 1 of 1

booking_id	room_type_reserved	arrival_date	market_segment_type	avg_price_per_room	booking_status
INN00001	Room_Type 1	2017-10-02	Offline	65.00	Not_Canceled
INN00002	Room_Type 1	2018-11-06	Online	106.68	Not_Canceled
INN00007	Room_Type 1	2017-10-15	Online	107.55	Not_Canceled
INN00008	Room_Type 4	2018-12-26	Online	105.61	Not_Canceled
INN00009	Room_Type 1	2018-07-06	Offline	96.90	Not_Canceled
INN00010	Room_Type 4	2018-10-18	Online	133.44	Not_Canceled

Total rows: 493 Query complete 00:00:00.921 CRLF Ln 25, Col 39

File Object Tools Edit View Window Help

Object Explorer

- Event Triggers
- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (4)
 - hotel_reservation
 - sleephealthlifestyle
 - studentperformance
 - uniquedestination
 - Trigger Functions

Dashboard X Properties X SQL X Statistics X Dependencies X Dependents X Processes X Hotel_reservation.sql X

testdb/postgres@PostgreSQL 17

No limit

Query Query History

```
SELECT market_segment_type,
SUM(avg_price_per_room) AS revenue_generated
FROM Hotel_reservation
GROUP BY market_segment_type
ORDER BY revenue_generated DESC;

WITH AvgMarketSegment AS (
SELECT
market_segment_type,
```

Execute script F5

Data Output Messages Notifications

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

market_segment_type	revenue_generated
Online	58251.80
Offline	12597.44
Corporate	2224.83
Aviation	110.00
Complementary	35.50

Total rows: 5 Query complete 00:00:00.259 CRLF Ln 32, Col 33

File Object Tools Edit View Window Help

Object Explorer

- Event Triggers
- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (4)
 - hotel_reservation
 - sleephealthlifestyle
 - studentperformance
 - uniquedestination
 - Trigger Functions

Dashboard X Properties X SQL X Statistics X Dependencies X Dependents X Processes X Hotel_reservation.sql X

testdb/postgres@PostgreSQL 17

Query Query History

```

32 ORDER BY revenue_generated DESC;
33
34
35 WITH AvgMarketSegment AS (
36     SELECT
37         market_segment_type,
38         ROUND(AVG(avg_price_per_room), 2) AS avg_price
39     FROM Hotel_reservation
40     GROUP BY market_segment_type
41 )
42 SELECT * FROM AvgMarketSegment;
43

```

Data Output Messages Notifications

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

	market_segment_type character varying (20)	avg_price numeric
1	Corporate	82.40
2	Aviation	110.00
3	Complementary	2.54
4	Offline	89.98
5	Online	112.46

Total rows: 5 Query complete 00:00:00.235 CRLF Ln 42, Col 32

File Object Tools Edit View Window Help

Object Explorer

- Event Triggers
- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (4)
 - hotel_reservation
 - sleephealthlifestyle
 - studentperformance
 - uniquedestination
 - Trigger Functions

Dashboard X Properties X SQL X Statistics X Dependencies X Dependents X Processes X Hotel_reservation.sql X

testdb/postgres@PostgreSQL 17

Query Query History

```

41 )
42 SELECT * FROM AvgMarketSegment;
43
44
45 SELECT booking_status ,COUNT(*) AS Status
46 FROM Hotel_reservation
47 WHERE booking_status ='Canceled' OR booking_status ='Not_Canceled'
48 GROUP BY booking_status
49
50 SELECT
51     booking_status,
52     COUNT(*) AS total_bookings,
53

```

Data Output Messages Notifications

Showing rows: 1 to 2 Page No: 1 of 1

	booking_status character varying (20)	status bigint
1	Canceled	207
2	Not_Canceled	493

Total rows: 2 Query complete 00:00:00.156 CRLF Ln 48, Col 25

File Object Tools Edit View Window Help

Object Explorer

- Event Triggers
- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (4)
 - hotel_reservation
 - sleephealthlifestyle
 - studentperformance
 - uniquedestination
 - Trigger Functions

testdb/postgres@PostgreSQL 17

Query Query History

```
46 FROM Hotel_reservation
47 WHERE booking_status = 'Canceled' OR booking_status = 'Not_Canceled'
48 GROUP BY booking_status
49
50 SELECT
51     booking_status, COUNT(*) AS total_bookings,
52     SUM(avg_price_per_room) AS total_revenue
53 FROM Hotel_reservation
54 WHERE booking_status IN ('Canceled', 'Not_Canceled')
55 GROUP BY booking_status;
56
57 SELECT
```

Execute script (F5)

Data Output Messages Notifications

Showing rows: 1 to 2 Page No: 1 of 1

	booking_status character varying (20)	total_bookings bigint	total_revenue numeric
1	Canceled	207	23388.67
2	Not_Canceled	493	49830.90

Total rows: 2 Query complete 00:00:00.192 CRLF Ln 55, Col 25

File Object Tools Edit View Window Help

Object Explorer

- Event Triggers
- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (4)
 - hotel_reservation
 - sleephealthlifestyle
 - studentperformance
 - uniquedestination
 - Trigger Functions

testdb/postgres@PostgreSQL 17

Query Query History

```
54 WHERE booking_status IN ('Canceled', 'Not_Canceled')
55 GROUP BY booking_status;
56
57 SELECT
58     SUM(CASE WHEN booking_status = 'Not_Canceled' THEN avg_price_per_room ELSE 0) AS total_profit,
59     SUM(CASE WHEN booking_status = 'Canceled' THEN avg_price_per_room ELSE 0) AS total_loss,
60     (SUM(CASE WHEN booking_status = 'Not_Canceled' THEN avg_price_per_room ELSE 0) -
61      SUM(CASE WHEN booking_status = 'Canceled' THEN avg_price_per_room ELSE 0)) AS net_profit
62 FROM Hotel_reservation;
63
64
65 SELECT
```

Execute script (F5)

Data Output Messages Notifications

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

	total_profit numeric	total_loss numeric	net_profit numeric
1	49830.90	23388.67	26442.23

Successfully run. Total query runtime: 214 msec. 1 rows affected.

Total rows: 1 Query complete 00:00:00.214 CRLF Ln 63, Col 1

File Object Tools Edit View Window Help

Object Explorer

- Event Triggers
- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (4)
 - hotel_reservation
 - sleephealthlifestyle
 - studentperformance
 - uniquedestination
 - Trigger Functions

testdb/postgres@PostgreSQL 17

Query

```
59 SUM(CASE WHEN booking_status = 'Not-Canceled' THEN avg_price_per_room ELSE 0
60 (SUM(CASE WHEN booking_status = 'Canceled' THEN avg_price_per_room ELSE 0
61 SUM(CASE WHEN booking_status = 'Canceled' THEN avg_price_per_room ELSE 0
62 FROM Hotel_reservation;
63
64
65 SELECT
66 ROUND(AVG(CASE WHEN booking_status = 'Not-Canceled' THEN avg_price_per_room ELSE 0
67 ROUND(AVG(CASE WHEN booking_status = 'Canceled' THEN avg_price_per_room ELSE 0
68 FROM Hotel_reservation;
69
70
```

Execute script (F5)

Data Output

	avg_profit numeric	avg_loss numeric
1	71.19	33.41

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

Total rows: 1 Query complete 00:00:00.248 CRLF Ln 69, Col 1

File Object Tools Edit View Window Help

Object Explorer

- Event Triggers
- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (4)
 - hotel_reservation
 - sleephealthlifestyle
 - studentperformance
 - uniquedestination
 - Trigger Functions

testdb/postgres@PostgreSQL 17

Query

```
67 ROUND(AVG(CASE WHEN booking_status = 'Not-Canceled' THEN avg_price_per_room ELSE 0
68 FROM Hotel_reservation;
69
70
71 SELECT room_type_reserved,
72 SUM(avg_price_per_room) AS total_revenue_generated_per_room
73 FROM Hotel_reservation
74 GROUP BY room_type_reserved
75 ORDER BY total_revenue_generated_per_room DESC
76 LIMIT 3
77
78 WITH AvgPricePerRoomType AS (
79 SELECT
```

Execute script (F5)

Data Output

	room_type_reserved character varying (20)	total_revenue_generated_per_room numeric
1	Room_Type 1	51748.87
2	Room_Type 4	15961.78
3	Room_Type 6	3293.80

Showing rows: 1 to 3 Page No: 1 of 1

Successfully run. Total query runtime: 309 msec. 3 rows affected.

Total rows: 3 Query complete 00:00:00.309 CRLF Ln 76, Col 8

File Object Tools Edit View Window Help

ashboard x Properties x SQL x Statistics x Dependencies x Dependents x Processes x Hotel_reservation.sql* x

testdb/postgres@PostgreSQL 17

No limit

Query Query History

75 ORDER BY total_revenue_generated
76 LIMIT 3
77
78
79 WITH AvgPricePerRoomType AS (
80 SELECT
81 room_type_reserved,
82 ROUND(AVG(avg_price_per_room),2) AS avg_price
83 FROM Hotel_reservation
84 GROUP BY room_type_reserved
85)
86 SELECT * FROM AvgPricePerRoomType;

Execute script
F5

Scratch Pad x

Data Output Messages Notifications

Showing rows: 1 to 6 Page No: 1 of 1

	room_type_reserved character varying (20)	avg_price numeric
1	Room_Type 7	169.00
2	Room_Type 1	96.91
3	Room_Type 5	120.85
4	Room_Type 2	89.72
5	Room_Type 6	182.99
6	Room_Type 4	122.78

Total rows: 6 Query complete 00:00:00.173 CRLF Ln 85, Col 35

Object Explorer

- Database
- Event Triggers
- Extensions
- Foreign Data Wrappers
- Languages
- Publications
- Schemas (1)
 - public
 - Aggregates
 - Collations
 - Domains
 - FTS Configurations
 - FTS Dictionaries
 - FTS Parsers
 - FTS Templates
 - Foreign Tables
 - Functions
 - Materialized Views
 - Operators
 - Procedures
 - Sequences
 - Tables (4)
 - hotel_reservation
 - sleephealthlifestyle
 - studentperformance
 - uniquedestination
 - Trigger Functions