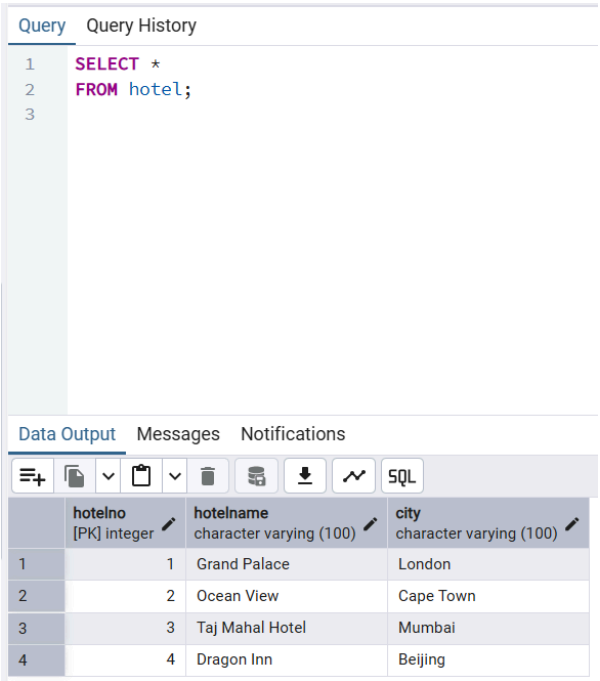
Simple queries
6.7 List full details of all hotels.

SELECT *
FROM hotel;

Result:



	hotelno [PK] integer	hotelname character varying (100)	city character varying (100)
1	1	Grand Palace	London
2	2	Ocean View	Cape Town
3	3	Taj Mahal Hotel	Mumbai
4	4	Dragon Inn	Beijing

6.8 List full details of all hotels in London.

SELECT *
FROM hotel
WHERE city='London';

Result:

```
SELECT *
FROM hotel
WHERE city='London';
```

Data Output | Messages | Notifications

	hotelno [PK] integer	hotelname character varying (100)	city character varying (100)
1	1	Grand Palace	London

6.9 List the names and addresses of all guests living in London, alphabetically ordered by name.

```
SELECT *
FROM guest
WHERE guestaddress LIKE '%London%'
ORDER BY guestname;
```

Result:

Query | Query History

```
--6.9 List the names and addresses of all guests

SELECT *
FROM guest
WHERE guestaddress LIKE '%London%'
ORDER BY guestname;
```

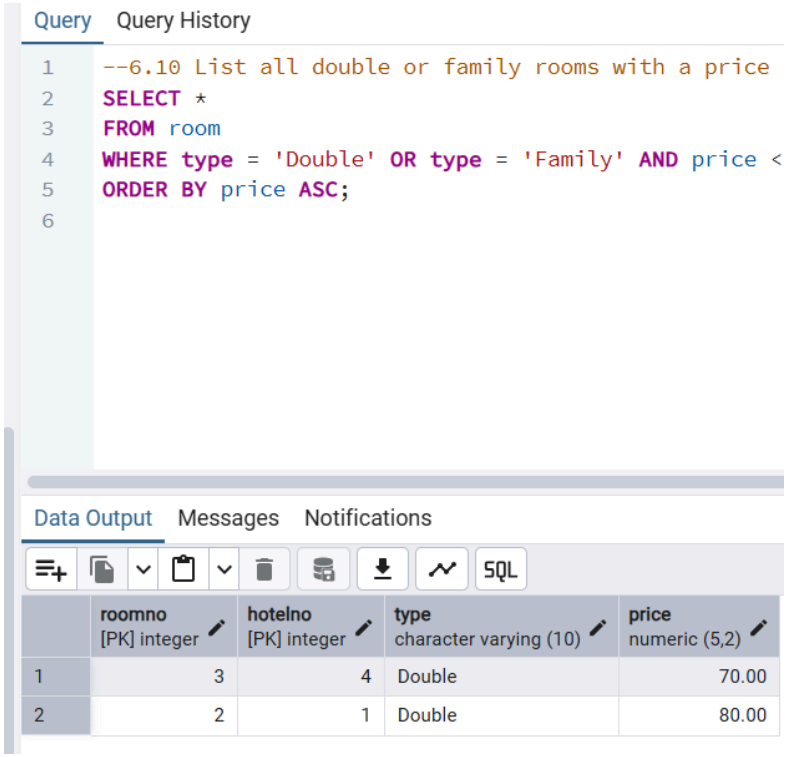
Data Output | Messages | Notifications

	guestno [PK] integer	guestname character varying (100)	guestaddress text
1	101	Alice Johnson	123 Main St, London, UK

6.10 List all double or family rooms with a price below £40.00 per night, in ascending order of price.

```
SELECT *
FROM room
WHERE type = 'Double' OR type = 'Family' AND price < 40
ORDER BY price ASC;
```

Result:



	roomno [PK] integer	hotelno [PK] integer	type character varying (10)	price numeric (5,2)
1	3	4	Double	70.00
2	2	1	Double	80.00

6.11 List the bookings for which no dateTo has been specified.

```
SELECT *
FROM booking
WHERE dateto IS NULL;
```

Result:

Query | Query History

```
1  --6.11 List the bookings for which no dateTo has been
2  SELECT *
3  FROM booking
4  WHERE dateto IS NULL;
5
6
```

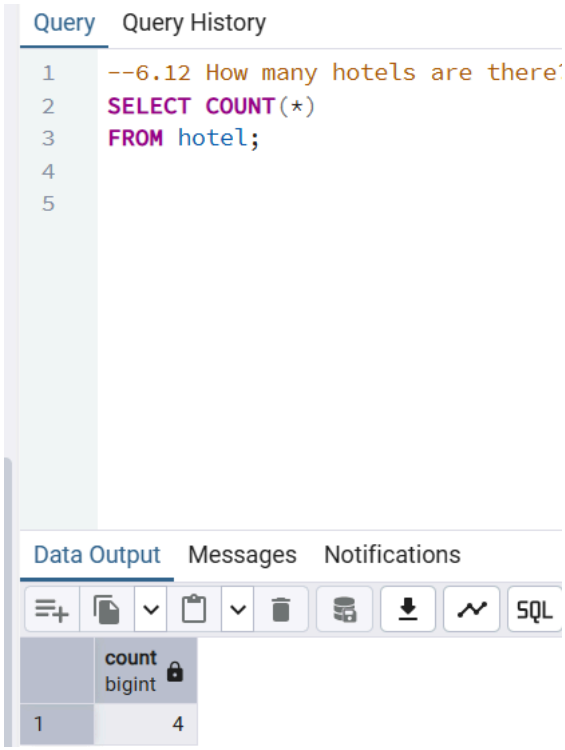
Data Output | Messages | Notifications

	bookingid [PK] integer	hotelno integer	guestno integer	roomno integer	datefrom date	dateto date

Aggregate functions
6.12 How many hotels are there?

SELECT COUNT(*)
FROM hotel;

Result:



6.13 What is the average price of a room?

SELECT AVG(price)
FROM room;

Result:

```sql
--6.13 What is the average price of a room?
SELECT AVG(price)
FROM room;
```

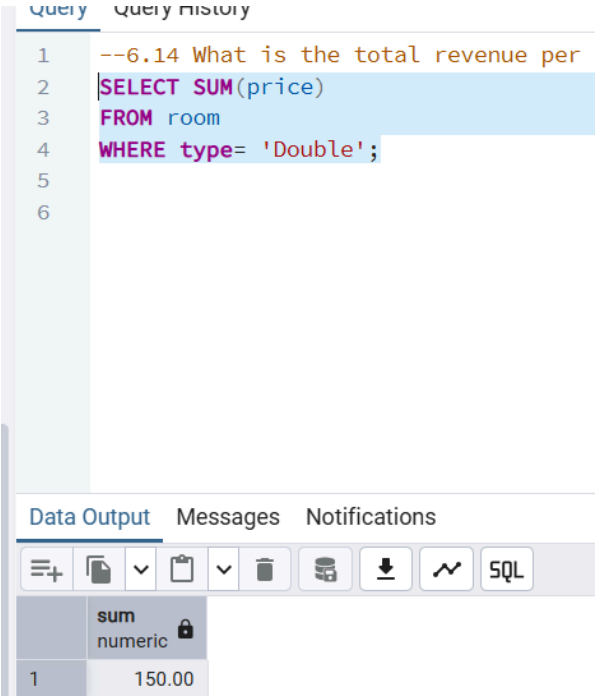
Data Output | Messages | Notifications

	avg numeric
1	67.0000000000000000

6.14 What is the total revenue per night from all double rooms?

SELECT SUM(price)
FROM room
WHERE type= 'Double';

Result:



6.15 How many different guests have made bookings for August?

SELECT COUNT(DISTINCT guestno)
FROM booking
WHERE DATEfrom BETWEEN '1-Aug-2025' AND '31-Aug-2025';

Result: