

## Simple queries

### 6.7 List full details of all hotels.

```
SELECT *  
FROM hotel;
```

Result:

Query

Query History

1

2

3

SELECT \*

FROM hotel;

Data Output

Messages

Notifications

+

SQL

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:

```

1 SELECT *
2 FROM hotel
3 WHERE city='London';
4

```

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

```

1 --6.9 List the names and addresses of all guests
2
3 SELECT *
4 FROM guest
5 WHERE guestaddress LIKE '%London%'
6 ORDER BY guestname;

```

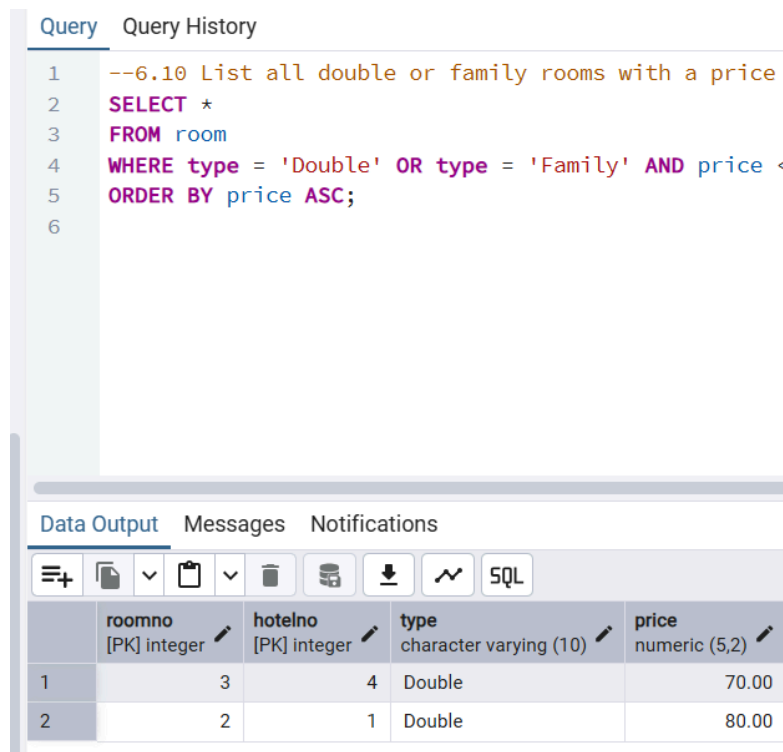
Data Output Messages Notifications

	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:



The screenshot shows a database query editor with a 'Query' tab selected. The query is: `--6.10 List all double or family rooms with a price`, `SELECT *`, `FROM room`, `WHERE type = 'Double' OR type = 'Family' AND price <`, `ORDER BY price ASC;`. Below the query, there is a 'Data Output' tab showing the results of the query. The results are displayed in a table with 5 columns: `roomno` [PK] integer, `hotelno` [PK] integer, `type` character varying (10), and `price` numeric (5,2). The table contains 2 rows of data.

	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

## Aggregate functions

### 6.12 How many hotels are there?

```
SELECT COUNT(*)  
FROM hotel;
```

Result:

Query		Query History
1	--6.12 How many hotels are there?	
2	SELECT COUNT(*)	
3	FROM hotel;	
4		
5		

Data Output		Messages	Notifications
+	count bigint		
1	4		

### 6.13 What is the average price of a room?

```
SELECT AVG(price)  
FROM room;
```

Result:

query query history

```
1 --6.13 What is the average price of a room?
2 SELECT AVG(price)
3 FROM room;
4
5
```

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:

Query Query History

```

1 --6.14 What is the total revenue per
2 SELECT SUM(price)
3 FROM room
4 WHERE type= 'Double';
5
6

```

Data Output Messages Notifications

	sum numeric
1	150.00

### 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:

Query Query History

```

1 --6.15 How many different guests have made bookings for
2 SELECT COUNT(DISTINCT guestno)
3 FROM booking
4 WHERE DATEfrom BETWEEN '1-Aug-2025' AND '31-Aug-2025';
5
6

```

Data Output Messages Notifications

	count bigint
1	0