

tudublin - Warning - not supported

Administration Schemas Question!

### SCHEMAS

Filter objects

- EstateAgency
  - Tables
    - Branch
    - Owner
    - Property\_For\_Rent
    - Renter
    - Staff
    - Viewing
  - Views
  - Stored Procedures
  - Functions
- sys

```

1 SELECT Pno, Street, Rooms, Rent, Ono AS "Owner No", Sno AS "Staff No"
2 FROM Property_For_Rent;
3

```

Limit to 1000 rows

100% 1-3

Result Grid Filter Rows: Search Edit: Export/Import:

Pno	Street	Rooms	Rent	Owner No	Staff No
PA14	16 Hollyhead	6	850.00	CO46	SA9
PG16	5 Nowar Dr	4	450.00	CO93	SG14
PG21	18 Dale Rd	5	600.00	CO87	SG37
PG38	2 Manor Rd	3	375.00	CO35	SG37
PG4	6 Lawrence St	3	550.00	CO40	SG14
PL94	6 Argyll St	4	400.00	CO87	SL41
NUL	NUL	NUL	NUL	NUL	NUL

Object Info Session Schema: EstateAgency

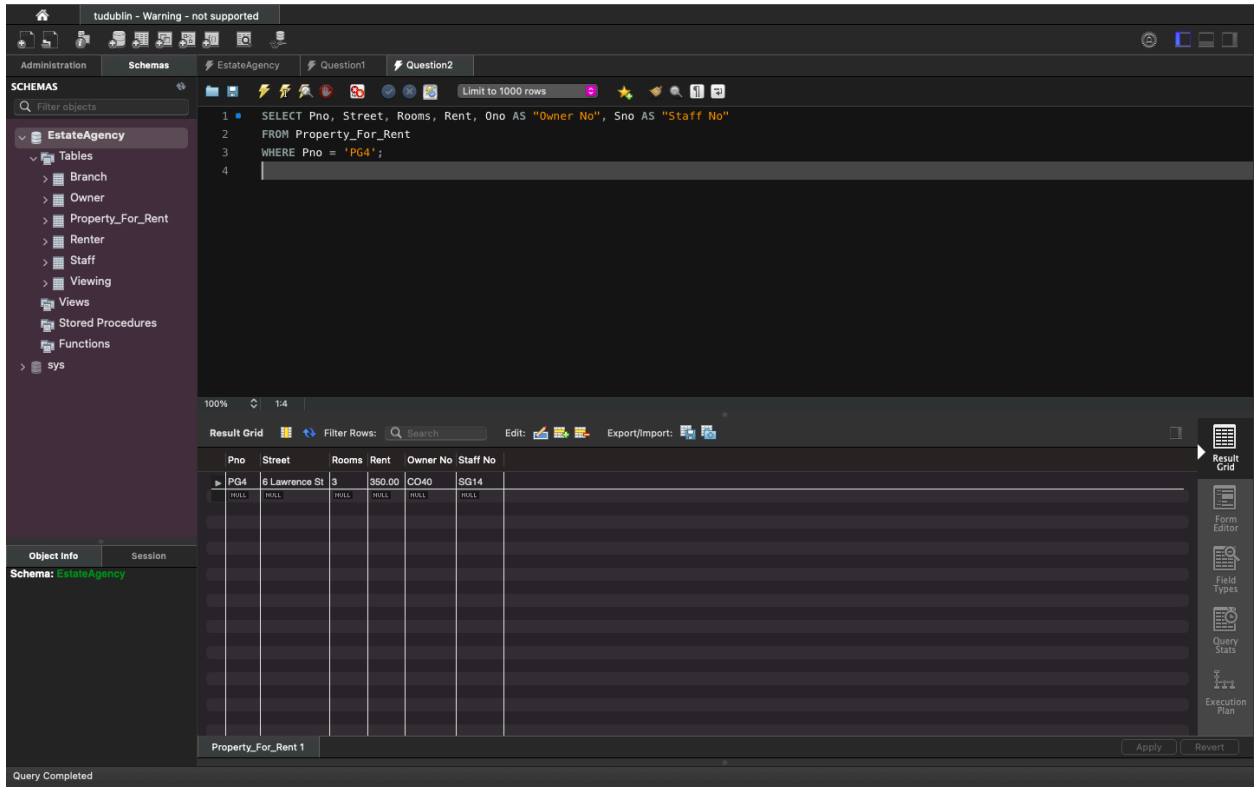
Property\_For\_Rent 1 Apply Revert

Query Completed

Form Editor Field Types Query Start Execution Plan

## Question 2

Now add a condition to the above to show where property = PG4



## Question 3

Now add a condition to Q1 to show for properties that the rent is between 355 and 470

The screenshot shows a database management interface with a dark theme. The top bar indicates a warning: "tudublin - Warning - not supported". The main window is divided into several panes. On the left, the "SCHEMAS" pane shows a tree view of the database structure, including "EstateAgency" and its tables: "Branch", "Owner", "Property\_For\_Rent", "Renter", "Staff", "Viewing", "Views", "Stored Procedures", "Functions", and "sys". The central pane displays a SQL query in a text editor:

```
1 SELECT Pno, Street, Rooms, Rent, Ono AS "Owner No", Sno AS "Staff No"
2 FROM Property_For_Rent
3 WHERE Rent BETWEEN 355 AND 470;
4
```

Below the query editor, the "Result Grid" pane shows the results of the query. The grid has columns: "Pno", "Street", "Rooms", "Rent", "Owner No", and "Staff No". The data is as follows:

Pno	Street	Rooms	Rent	Owner No	Staff No
PG16	5 Nover Dr	4	450.00	CO93	SG14
PG36	2 Manor Rd	3	375.00	CO93	SG37
PL94	6 Argyll St	4	400.00	CO87	SL41
HULL	HULL	HULL	HULL	HULL	HULL

The bottom status bar indicates "Query Completed".

## Question 4

How many properties are there for Rent?

The screenshot shows a database management interface with a dark theme. The top toolbar includes icons for home, save, undo, redo, and other standard database actions. Below the toolbar, there are tabs for 'Administration', 'Schemas', 'EstateAgency', 'Question1', 'Question2', 'Question3', and 'Question4'. The 'Schemas' tab is active, showing a tree view of the database structure. Under 'EstateAgency', there are several tables listed: Branch, Owner, Property\_For\_Rent, Renter, Staff, Viewing, Views, Stored Procedures, and Functions. The 'Property\_For\_Rent' table is selected. The main area displays a SQL query:

```
1 SELECT COUNT(*) AS "Total Properties for Rent"
2 FROM Property_For_Rent;
3
```

Below the query editor, there is a 'Result Grid' section. It shows a single column header 'Total Properties for R...' and a single row with the value '6'. The status bar at the bottom indicates 'Query Completed'.

Total Properties for R...
6

## Question 5

Create an SQL statement that shows the property with the highest no of rooms

The screenshot shows a database management tool interface. The top menu bar includes 'Administration', 'Schemas', and several 'Question' tabs. The 'Schemas' tab is active, showing a tree view of the database structure. The 'EstateAgency' schema is expanded, showing tables like 'Branch', 'Owner', 'Property\_For\_Rent', 'Renter', 'Staff', 'Viewing', 'Views', 'Stored Procedures', 'Functions', and 'sys'.

The SQL editor displays the following query:

```
1 SELECT Pno, Street, Rooms
2 FROM Property_For_Rent
3 ORDER BY Rooms DESC
4 LIMIT 1;
```

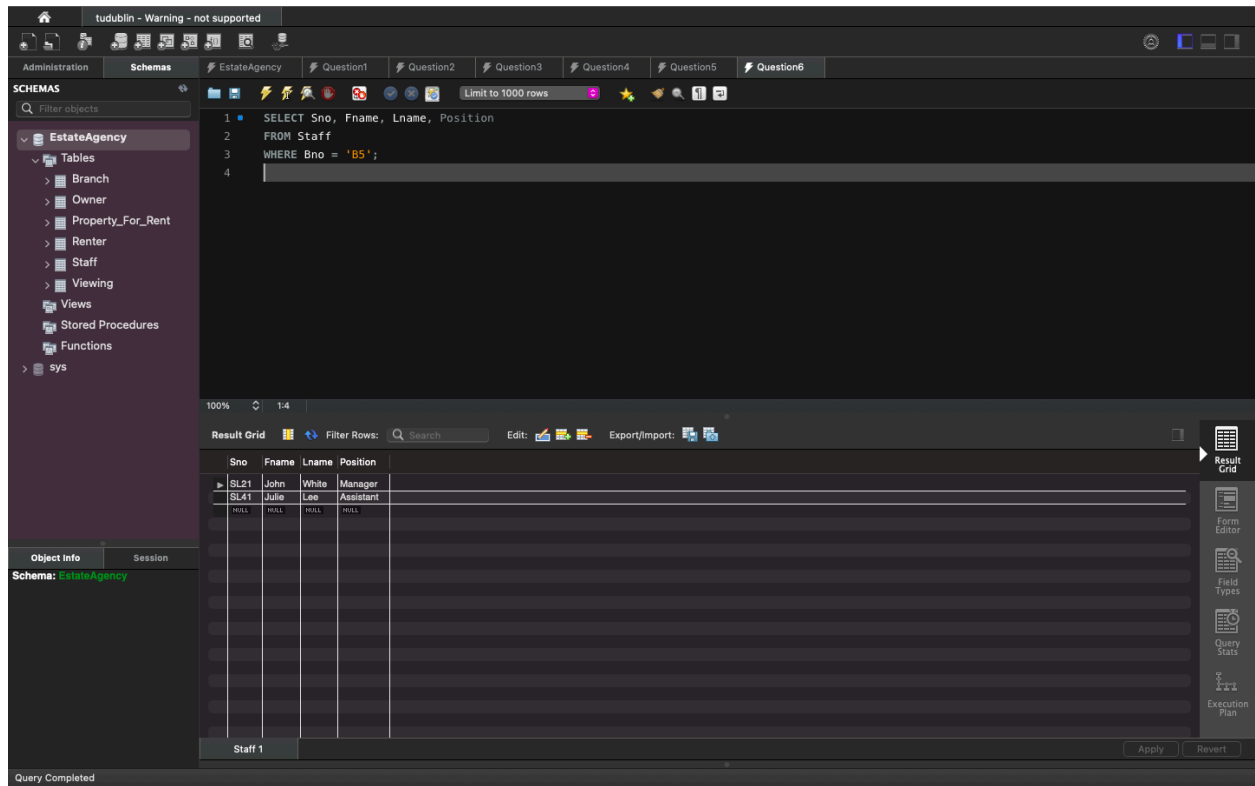
The 'Result Grid' shows the results of the query. The first row is highlighted, showing the property with the highest number of rooms.

Pno	Street	Rooms
PA14	16 Hollyhead	6

The bottom status bar indicates 'Query Completed'.

### Question 6

List the Staff in B5?



## Question 7

List the number of staff per branch?

The screenshot shows a database management interface with a dark theme. The top navigation bar includes tabs for Administration, Schemas, EstateAgency, and several Question tabs (Question1 through Question7). The Schemas tab is active, displaying a tree view on the left with 'EstateAgency' expanded to show Tables (Branch, Owner, Property\_For\_Rent, Renter, Staff, Viewing), Views, Stored Procedures, Functions, and sys. The main editor displays a SQL query:

```
1 SELECT Bno, COUNT(*) AS "Number of Staff"
2 FROM Staff
3 GROUP BY Bno;
4
```

Below the query editor, the 'Result Grid' shows the query results:

Bno	Number of St...
B7	1
B3	3
B5	2

The bottom status bar indicates 'Query Completed' and 'Read Only'.

## Question 8

How many Viewings were there for property number PA14?

The screenshot shows a database management interface with a dark theme. The top menu bar includes 'Administration', 'Schemas', and tabs for 'EstateAgency', 'Question1', 'Question2', 'Question3', 'Question4', 'Question5', 'Question6', 'Question7', and 'Question8'. The 'Schemas' panel on the left shows a tree view with 'EstateAgency' expanded, containing 'Tables' (Branch, Owner, Property\_For\_Rent, Renter, Staff, Viewing), 'Views', 'Stored Procedures', 'Functions', and 'sys'. The main query editor displays the following SQL code:

```
1 SELECT COUNT(*) AS "Total Viewings for PA14"
2 FROM Viewing
3 WHERE Pno = 'PA14';
4
```

Below the query editor, the 'Result Grid' shows the results of the query. The first column is 'Total Viewings for PA14' and the second column is 'Count'. The first row shows a value of 2.

Total Viewings for PA14	Count
2	2

The bottom status bar indicates 'Query Completed' and 'Read Only'.



## Question 9

What is the total Salary bill in the company?

The screenshot shows a database management interface with a dark theme. The top menu bar includes 'Administration', 'Schemas', and tabs for 'EstateAgency', 'Question1', 'Question2', 'Question3', 'Question4', 'Question5', 'Question6', 'Question7', 'Question8', and 'Question9'. The 'Schemas' panel on the left shows a tree view with 'EstateAgency' expanded, containing 'Tables' (Branch, Owner, Property\_For\_Rent, Renter, Staff, Viewing), 'Views', 'Stored Procedures', 'Functions', and 'sys'. The main query editor displays the following SQL code:

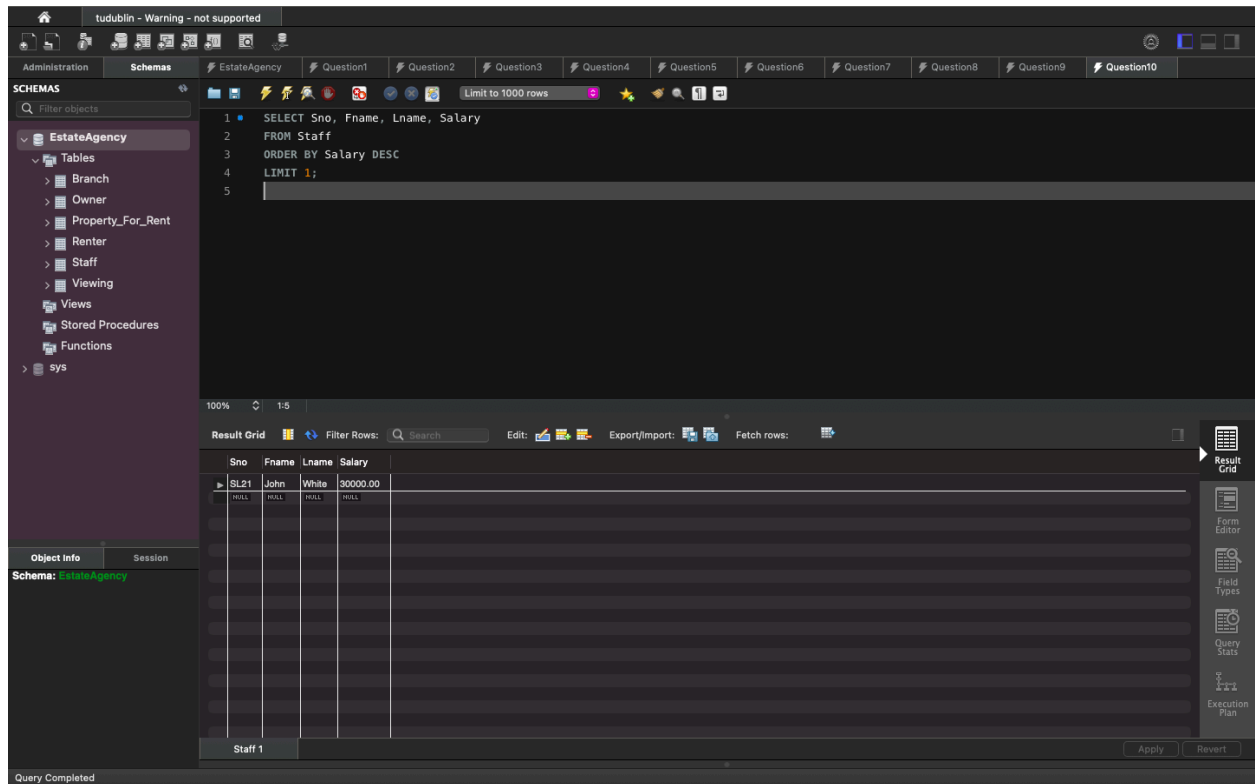
```
1 SELECT SUM(Salary) AS "Total Salary Bill"
2 FROM Staff;
3
```

Below the query editor, the 'Result Grid' shows the query results. The first row is labeled 'Total Salary Bill' and contains the value '102000.00'. The status bar at the bottom indicates 'Query Completed'.

Total Salary Bill
102000.00

### Question 10

## Who is the highest paid?



Find the owners do not live in Glasgow?

## Question 12

Using Inner Joins - List names of all renters who have viewed a property along with any comment supplied.

The screenshot shows a database management tool interface. The top menu bar includes 'Administration', 'Schemas', and a series of question tabs from 'Question2' to 'Question12'. The 'Schemas' tab is active, displaying a tree view of the 'EstateAgency' schema with sub-items: Tables, Branch, Owner, Property\_For\_Rent, Renter, Staff, Viewing, Views, Stored Procedures, Functions, and sys. The main query editor shows the following SQL query:

```
1 SELECT R.Fname AS "Renter First Name", R.Lname AS "Renter Last Name", V.Pno AS "Property No", V.Comment
2 FROM Renter R
3 INNER JOIN Viewing V ON R.Rno = V.Rno;
4
```

Below the query editor, the 'Result Grid' is displayed, showing the results of the query. The grid has four columns: 'Renter First Name', 'Renter Last Name', 'Property No', and 'Comment'. The results are as follows:

Renter First Name	Renter Last Name	Property No	Comment
Aline	Stewart	PA14	Too Small
Aline	Stewart	PG36	HALL
Aline	Stewart	PG4	HALL
Mary	Tregear	PA14	No Dining Room
John	Kay	PG4	Too Remote

The interface also includes a 'Filter Rows' search bar, an 'Export' button, and a 'Read Only' status indicator at the bottom right. The status bar at the bottom left indicates 'Query Completed'.