



TECNOLÓGICO NACIONAL DE MÉXICO

CAMPUS JEREZ

MATERIA: TALLER DE BASE DE DATOS

DOCENTE: ISC SALVADOR ACEVEDO SANDOVAL

5° SEMESTRE

TEMA 2: LENGUAJE DE MANIPULACIÓN DE DATOS

ACTIVIDAD 3: EJERCICIOS SQL [CONSULTAS CON
BUSQUEDA DE CORRESPONDENCIA DE PATRONES]

ALUMNA: LIZA AREMY SANTANA CONTRERAS

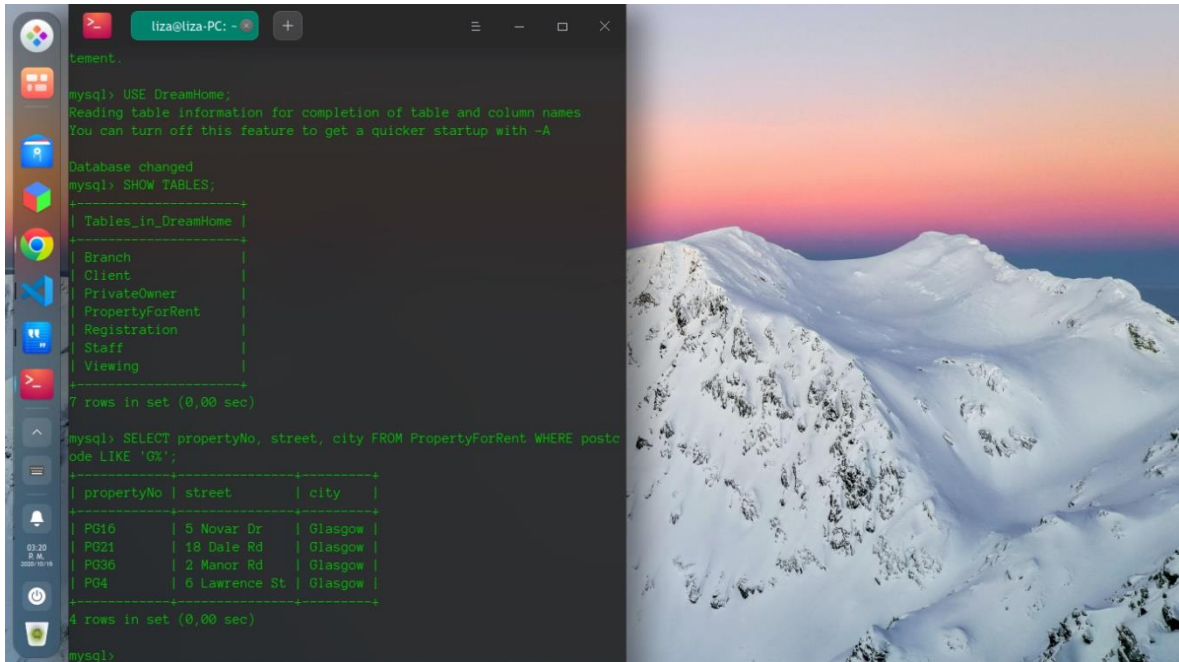
NO. CONTROL: 16070005

16 DE OCTUBRE DE 2020

JEREZ DE GARCIA SALINAS

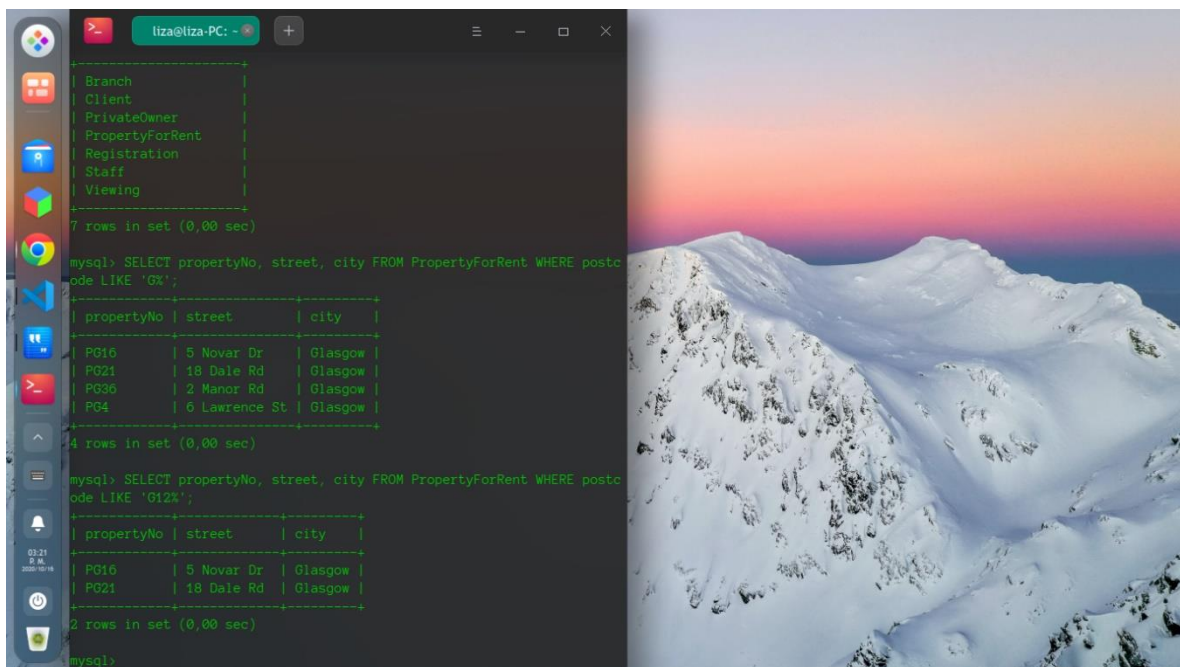
DREAMHOME - MySQL

1. Mostrar una lista con el numero de propiedad, la direccion y la ciudad que tengan codigo postal que inicie con la letra "G".



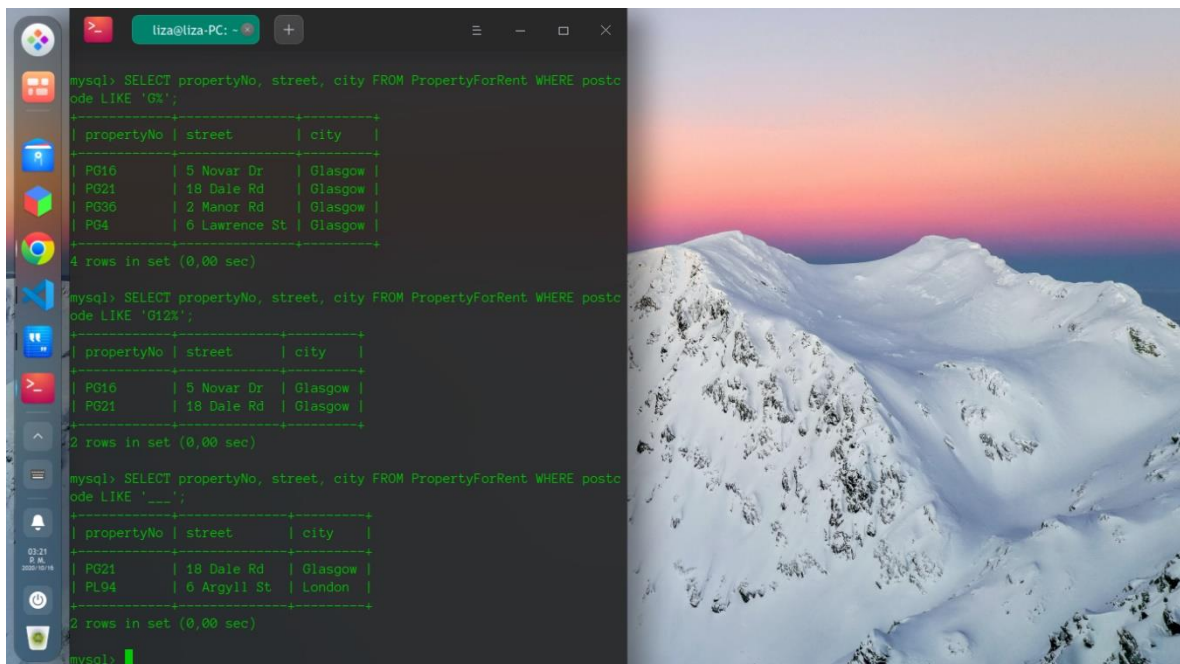
```
tentent.  
mysql> USE DreamHome;  
Reading table information for completion of table and column names  
You can turn off this feature to get a quicker startup with -A  
  
Database changed  
mysql> SHOW TABLES;  
+-----+  
| Tables_in_DreamHome |  
+-----+  
| Branch               |  
| Client               |  
| PrivateOwner         |  
| PropertyForRent      |  
| Registration         |  
| Staff                |  
| Viewing              |  
+-----+  
7 rows in set (0,00 sec)  
  
mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postal  
code LIKE 'G%';  
+-----+-----+-----+  
| propertyNo | street | city |  
+-----+-----+-----+  
| PG16      | 5 Novar Dr | Glasgow |  
| PG21      | 18 Dale Rd | Glasgow |  
| PG36      | 2 Manor Rd | Glasgow |  
| PG4       | 6 Lawrence St | Glasgow |  
+-----+-----+-----+  
4 rows in set (0,00 sec)  
  
mysql>
```

- Mostrar una lista con el numero de propiedad, la direccion y la ciudad que tengan codigo postal que inicie con "G12"



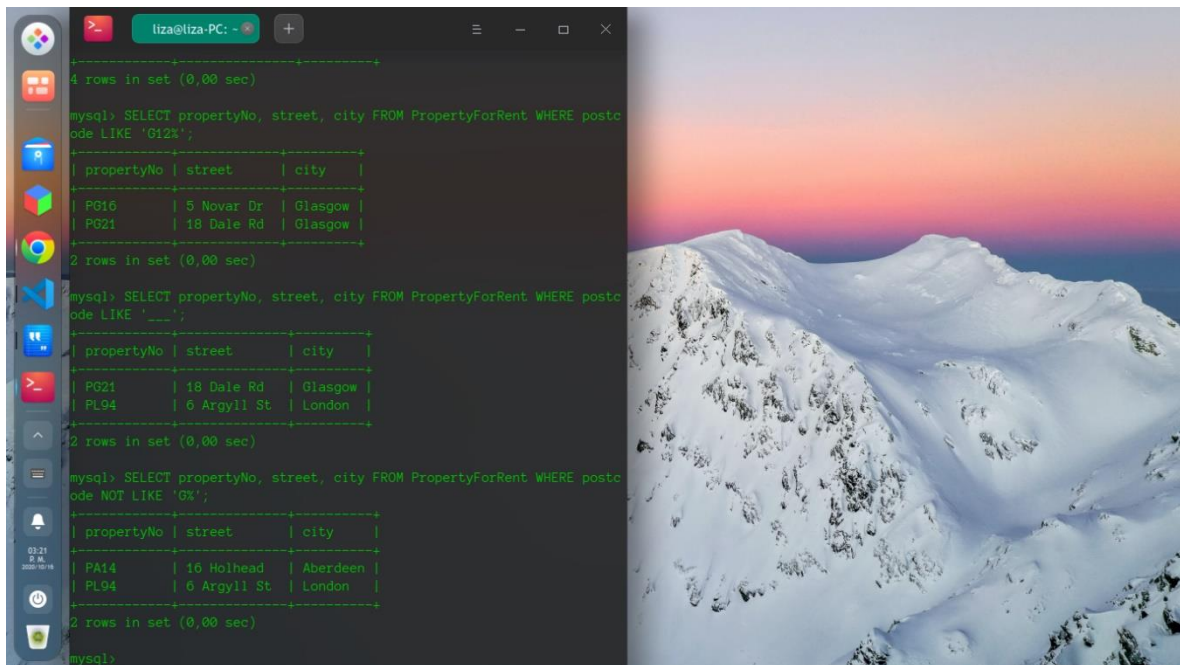
```
tiza@tiza-PC: ~  
mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postalCode LIKE 'G12%';  
+-----+-----+-----+  
| propertyNo | street | city |  
+-----+-----+-----+  
| P016       | 5 Novar Dr | Glasgow |  
| P021       | 18 Dale Rd | Glasgow |  
| P036       | 2 Manor Rd | Glasgow |  
| P04        | 6 Lawrence St | Glasgow |  
+-----+-----+-----+  
4 rows in set (0,00 sec)  
  
mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postalCode LIKE 'G12%';  
+-----+-----+-----+  
| propertyNo | street | city |  
+-----+-----+-----+  
| P016       | 5 Novar Dr | Glasgow |  
| P021       | 18 Dale Rd | Glasgow |  
+-----+-----+-----+  
2 rows in set (0,00 sec)  
  
mysql>
```

- Mostrar una lista con el numero de propiedad, la direccion y la ciudad que tengan codigo postal solo con 3 caracteres



```
tiza@tiza-PC: ~  
mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postalCode LIKE 'G%';  
+-----+-----+-----+  
| propertyNo | street | city |  
+-----+-----+-----+  
| P016       | 5 Novar Dr | Glasgow |  
| P021       | 18 Dale Rd | Glasgow |  
| P036       | 2 Manor Rd | Glasgow |  
| P04        | 6 Lawrence St | Glasgow |  
+-----+-----+-----+  
4 rows in set (0,00 sec)  
  
mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postalCode LIKE 'G12%';  
+-----+-----+-----+  
| propertyNo | street | city |  
+-----+-----+-----+  
| P016       | 5 Novar Dr | Glasgow |  
| P021       | 18 Dale Rd | Glasgow |  
+-----+-----+-----+  
2 rows in set (0,00 sec)  
  
mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postalCode LIKE '___';  
+-----+-----+-----+  
| propertyNo | street | city |  
+-----+-----+-----+  
| P021       | 18 Dale Rd | Glasgow |  
| PL94       | 6 Argyll St | London |  
+-----+-----+-----+  
2 rows in set (0,00 sec)  
  
mysql>
```

4. Mostrar una lista con el numero de propiedad, la direccion y la ciudad que tengan codigo postal que NO inicie con la letra "G"



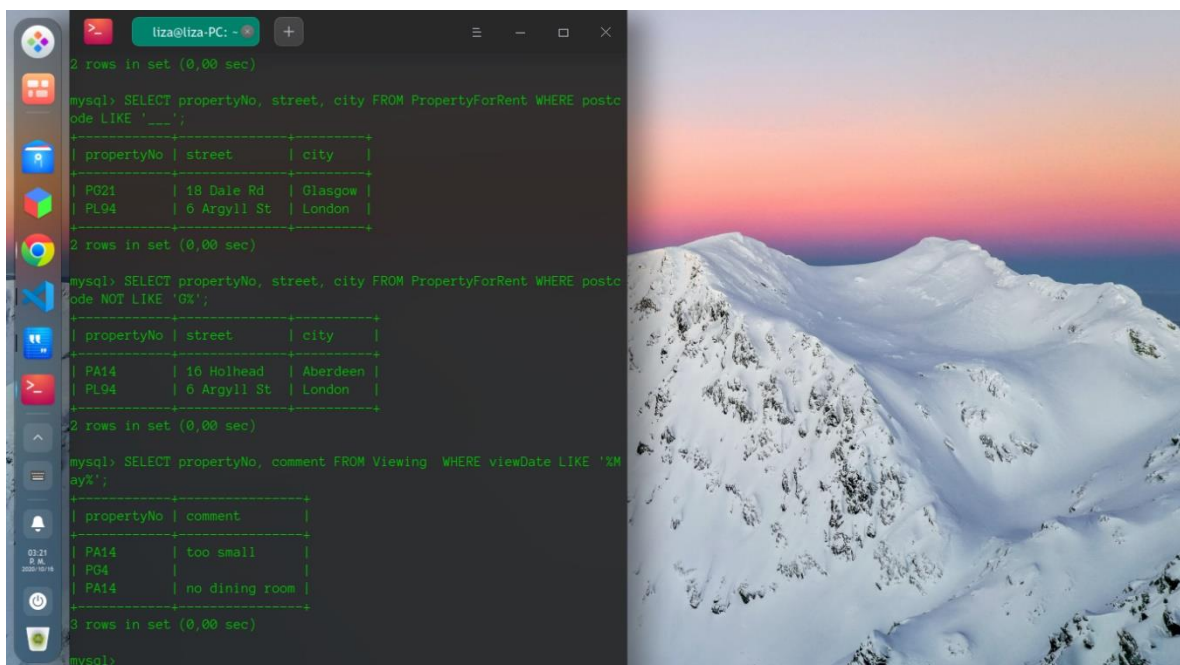
```
liza@liza-PC: ~$ mysql
mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode LIKE 'G12%';
+-----+-----+-----+
| propertyNo | street | city |
+-----+-----+-----+
| PG16       | 5 Novar Dr | Glasgow |
| PG21       | 18 Dale Rd | Glasgow |
+-----+-----+-----+
2 rows in set (0,00 sec)

mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode LIKE '____';
+-----+-----+-----+
| propertyNo | street | city |
+-----+-----+-----+
| PG21       | 18 Dale Rd | Glasgow |
| PL94       | 6 Argyll St | London |
+-----+-----+-----+
2 rows in set (0,00 sec)

mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode NOT LIKE 'G%';
+-----+-----+-----+
| propertyNo | street | city |
+-----+-----+-----+
| PA14       | 16 Holhead | Aberdeen |
| PL94       | 6 Argyll St | London |
+-----+-----+-----+
2 rows in set (0,00 sec)

mysql>
```

5. MOSTRAR UNA LISTA CON LOS NUMEROS DE PROPIEDAD Y EL COMENTARIO QUE SE HAYA HECHO PARA LOS INMUEBLES VISITADOS EN EL MES DE MAYO



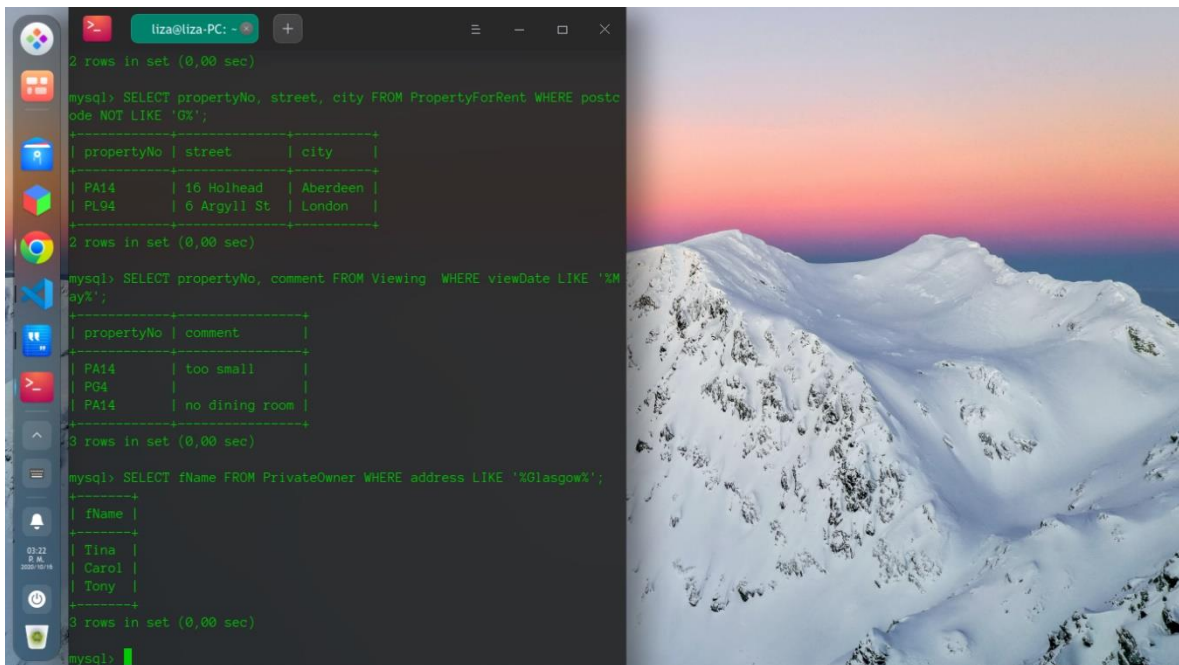
```
liza@liza-PC: ~$ mysql
mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode LIKE '____';
+-----+-----+-----+
| propertyNo | street | city |
+-----+-----+-----+
| PG21       | 18 Dale Rd | Glasgow |
| PL94       | 6 Argyll St | London |
+-----+-----+-----+
2 rows in set (0,00 sec)

mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode NOT LIKE 'G%';
+-----+-----+-----+
| propertyNo | street | city |
+-----+-----+-----+
| PA14       | 16 Holhead | Aberdeen |
| PL94       | 6 Argyll St | London |
+-----+-----+-----+
2 rows in set (0,00 sec)

mysql> SELECT propertyNo, comment FROM Viewing WHERE viewDate LIKE '%May%';
+-----+-----+
| propertyNo | comment |
+-----+-----+
| PA14       | too small |
| PG4        | no dining room |
| PA14       | no dining room |
+-----+-----+
3 rows in set (0,00 sec)

mysql>
```


6. GENERAR UN LISTADO CON EL NOMBRE DEL PROPIETARIO QUE VIVA EN GLASGOW



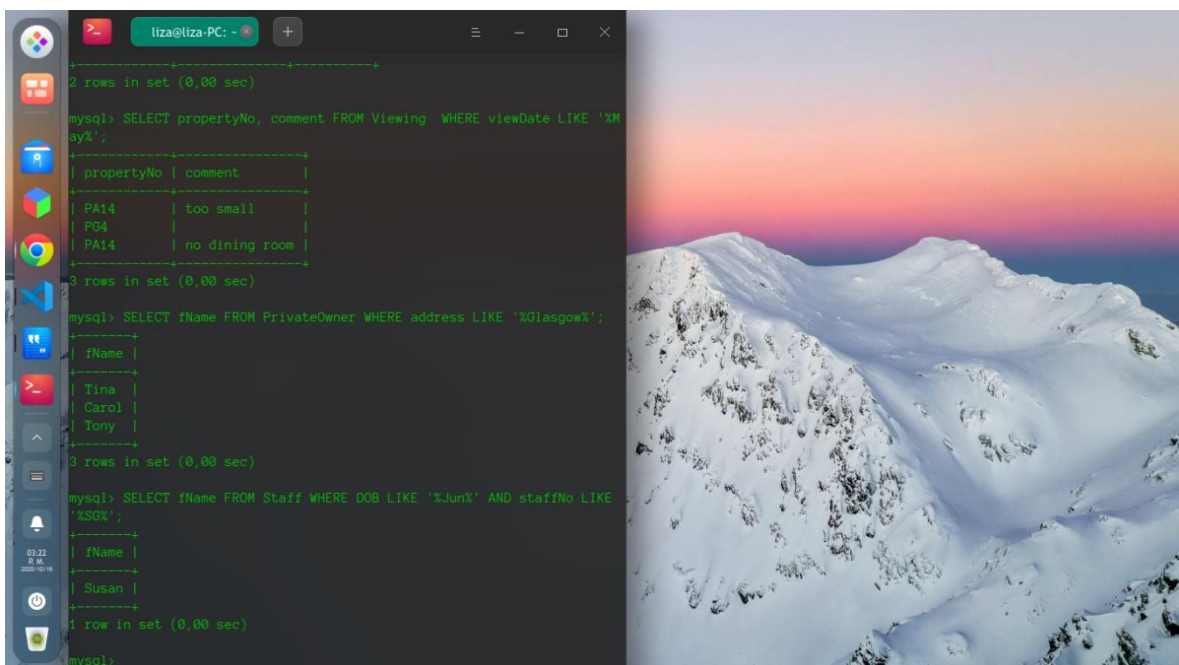
```
liza@liza-PC: ~$ mysql
mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode NOT LIKE 'GX';
+-----+-----+-----+
| propertyNo | street | city |
+-----+-----+-----+
| PA14       | 16 Holhead | Aberdeen |
| PL94       | 6 Argyll St | London |
+-----+-----+-----+
2 rows in set (0,00 sec)

mysql> SELECT propertyNo, comment FROM Viewing WHERE viewDate LIKE '%May%';
+-----+-----+
| propertyNo | comment |
+-----+-----+
| PA14       | too small |
| PG4        |          |
| PA14       | no dining room |
+-----+-----+
3 rows in set (0,00 sec)

mysql> SELECT fName FROM PrivateOwner WHERE address LIKE '%Glasgow%';
+-----+
| fName |
+-----+
| Tina |
| Carol |
| Tony |
+-----+
3 rows in set (0,00 sec)

mysql>
```

7. GENERAR UN LISTADO CON EL NOMBRE DEL PERSONAL QUE HAYA NACIDO EN JUNIO Y QUE TENGA UN NUMERO DE TRABAJADOR CON EL CODIGO "SG"



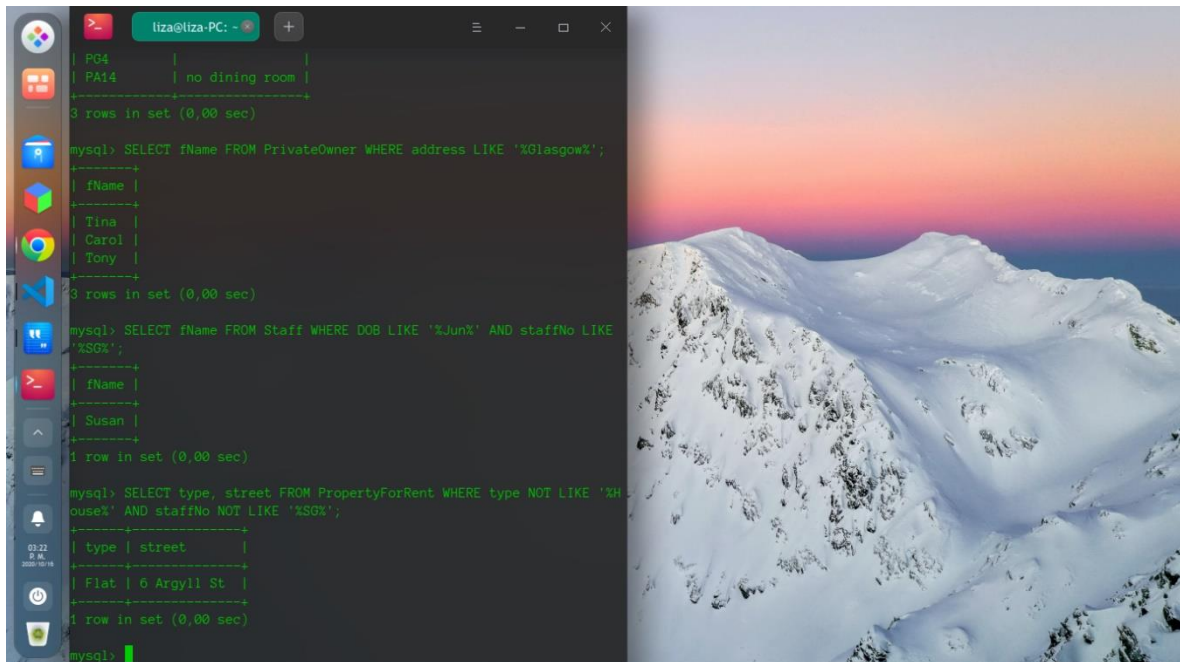
```
liza@liza-PC: ~$ mysql
mysql> SELECT propertyNo, comment FROM Viewing WHERE viewDate LIKE '%May%';
+-----+-----+
| propertyNo | comment |
+-----+-----+
| PA14       | too small |
| PG4        |          |
| PA14       | no dining room |
+-----+-----+
3 rows in set (0,00 sec)

mysql> SELECT fName FROM PrivateOwner WHERE address LIKE '%Glasgow%';
+-----+
| fName |
+-----+
| Tina |
| Carol |
| Tony |
+-----+
3 rows in set (0,00 sec)

mysql> SELECT fName FROM Staff WHERE DOB LIKE '%Jun%' AND staffNo LIKE 'SG%';
+-----+
| fName |
+-----+
| Susan |
+-----+
1 row in set (0,00 sec)

mysql>
```

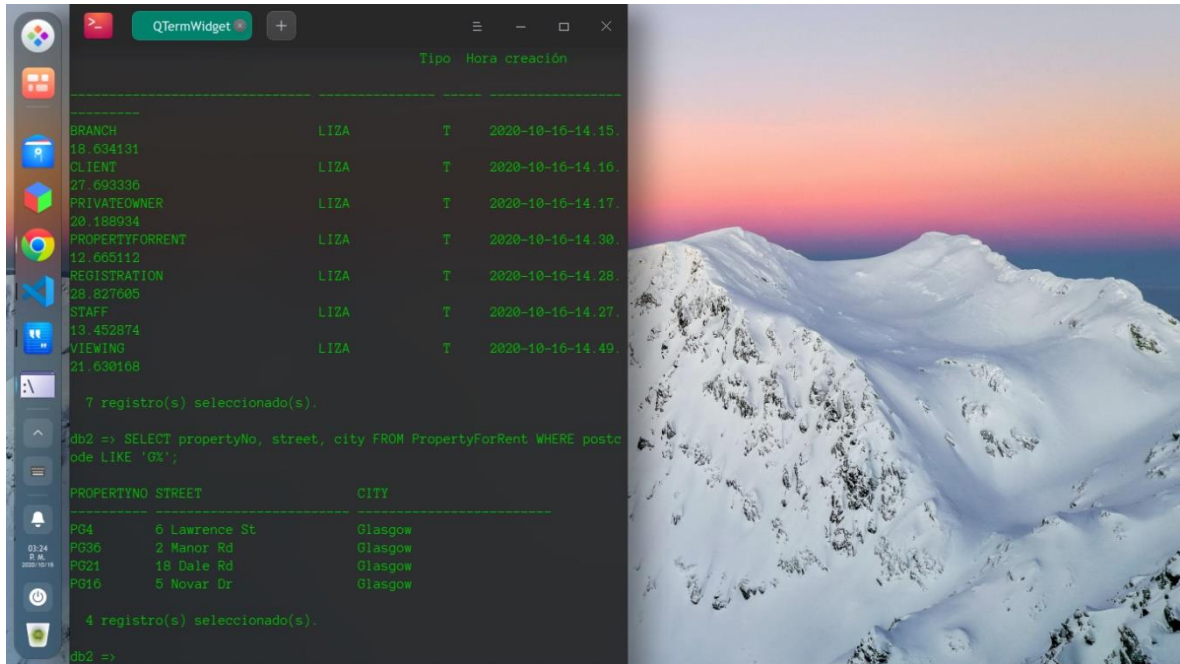
8. GENERAR UN LISTADO CON EL TIPO DE PROPIEDAD Y LA DIRECCION DE LOS INMUEBLES QUE NO SEAN CASAS Y QUE NO ESTEN ASIGNADOS A PERSONAL QUE TENGA UN NUMERO DE TRABAJADOR CON EL CODIGO "SG"



```
liza@liza-PC: ~  
mysql> SELECT * FROM PrivateOwner WHERE address LIKE '%Glasgow%';  
+-----+-----+  
| PG4   |      |  
| PA14  | no dining room |  
+-----+-----+  
3 rows in set (0,00 sec)  
  
mysql> SELECT fName FROM PrivateOwner WHERE address LIKE '%Glasgow%';  
+-----+  
| fName |  
+-----+  
| Tina  |  
| Carol |  
| Tony  |  
+-----+  
3 rows in set (0,00 sec)  
  
mysql> SELECT fName FROM Staff WHERE DOB LIKE '%Jun%' AND staffNo LIKE '%SG%';  
+-----+  
| fName |  
+-----+  
| Susan |  
+-----+  
1 row in set (0,00 sec)  
  
mysql> SELECT type, street FROM PropertyForRent WHERE type NOT LIKE '%House%' AND staffNo NOT LIKE '%SG%';  
+-----+-----+  
| type | street |  
+-----+-----+  
| Flat | 6 Argyll St |  
+-----+-----+  
1 row in set (0,00 sec)  
  
mysql>
```

DREAMHOME – DB2

1. Mostrar una lista con el numero de propiedad, la direccion y la ciudad que tengan codigo postal que inicie con la letra "G".

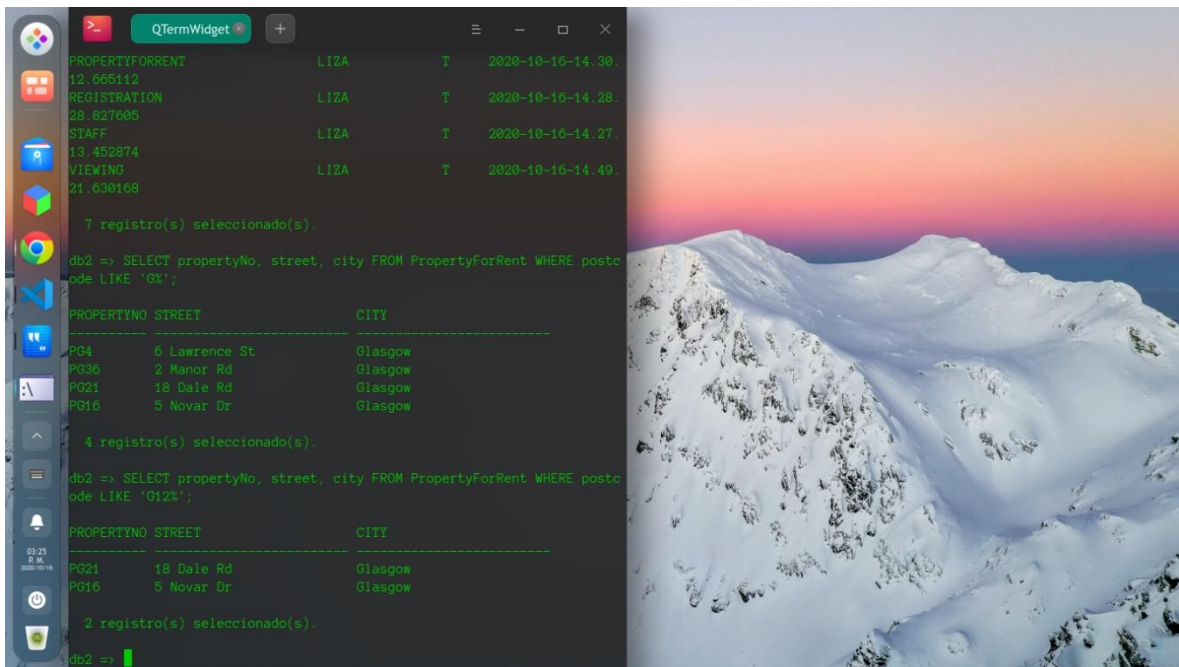


The screenshot shows a Linux desktop with a terminal window titled 'QTermWidget'. The terminal displays the results of a SQL query executed in a DB2 database. The query filters for properties where the postal code starts with 'G'. The results are shown in two tables. The first table lists 7 records with columns: Tipo, Hora creación, and an unnamed column. The second table lists 4 records with columns: PROPERTYNO, STREET, and CITY.

```
db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postc
ode LIKE 'G%';
```

PROPERTYNO	STREET	CITY
PG4	6 Lawrence St	Glasgow
PG36	2 Manor Rd	Glasgow
PG21	18 Dale Rd	Glasgow
PG16	5 Novar Dr	Glasgow

- Mostrar una lista con el numero de propiedad, la direccion y la ciudad que tengan codigo postal que inicie con "G12"



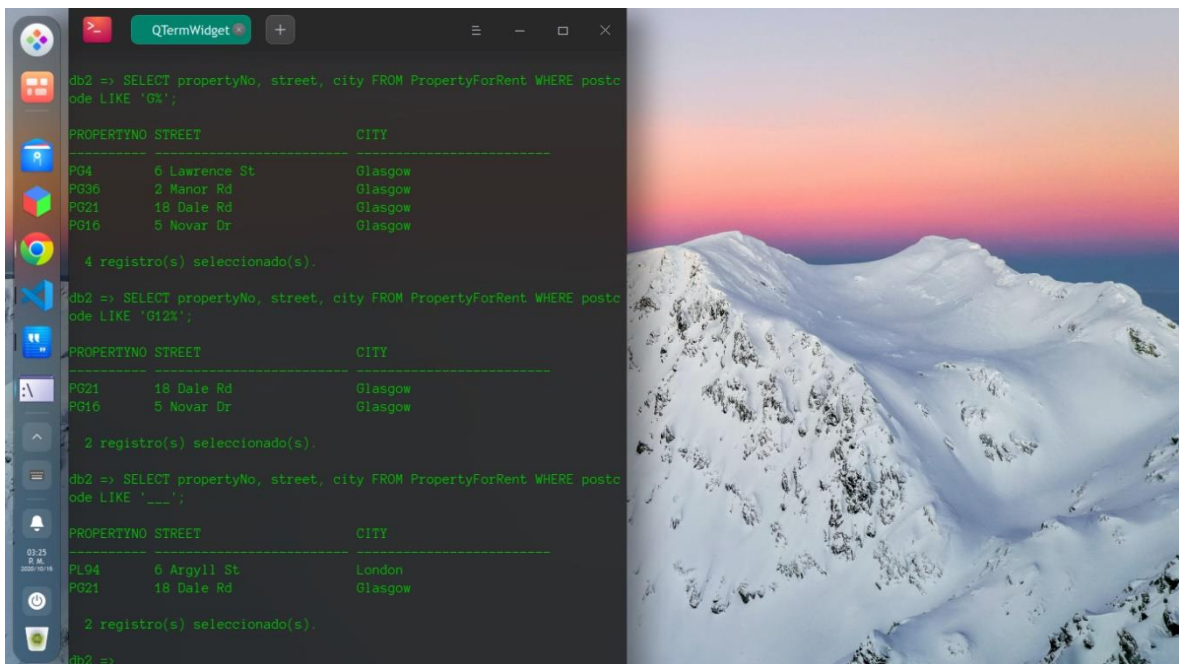
The terminal window shows the following SQL query and results:

```
db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postalCode LIKE 'G12%';
```

PROPERTYNO	STREET	CITY
PG04	6 Lawrence St	Glasgow
PG36	2 Manor Rd	Glasgow
PG21	18 Dale Rd	Glasgow
PG16	5 Novar Dr	Glasgow

4 registro(s) seleccionado(s).

- Mostrar una lista con el numero de propiedad, la direccion y la ciudad que tengan codigo postal solo con 3 caracteres



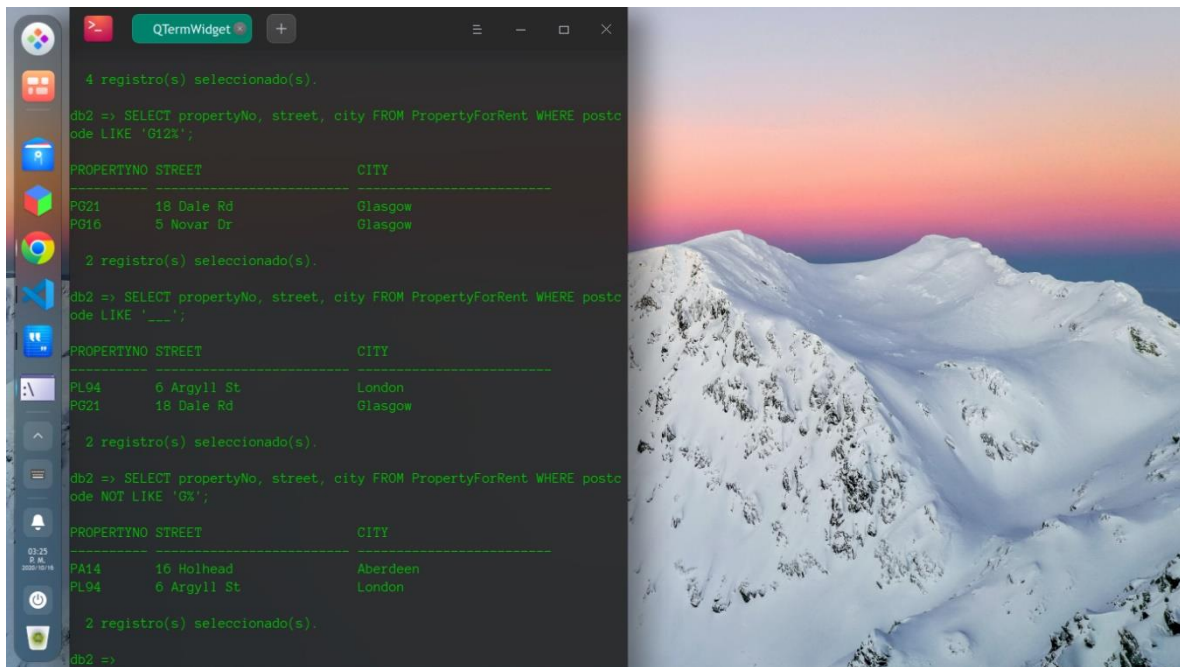
The terminal window shows the following SQL query and results:

```
db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postalCode LIKE '___';
```

PROPERTYNO	STREET	CITY
PL94	6 Argyll St	London
PG21	18 Dale Rd	Glasgow

2 registro(s) seleccionado(s).

4. Mostrar una lista con el numero de propiedad, la direccion y la ciudad que tengan codigo postal que NO inicie con la letra "G"



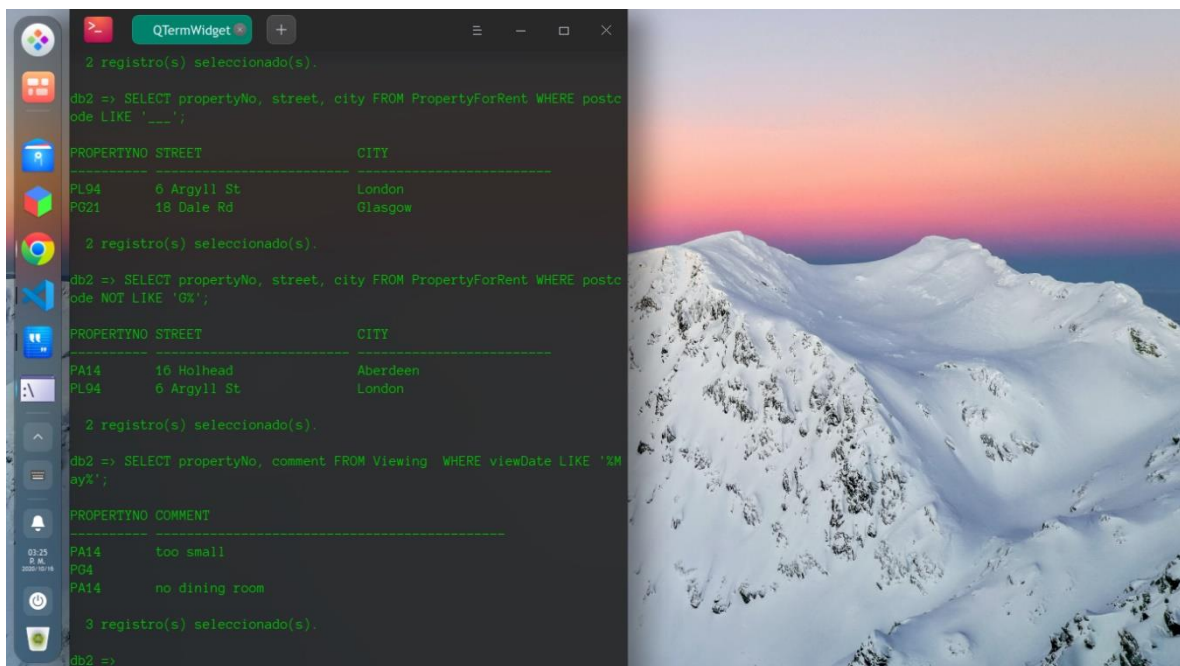
```
QTermWidget
4 registro(s) seleccionado(s).
db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode LIKE 'G12%';
PROPERTYNO STREET CITY
-----
PG21 18 Dale Rd Glasgow
PG16 5 Novar Dr Glasgow

2 registro(s) seleccionado(s).
db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode LIKE '___';
PROPERTYNO STREET CITY
-----
PL94 6 Argyll St London
PG21 18 Dale Rd Glasgow

2 registro(s) seleccionado(s).
db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode NOT LIKE 'G%';
PROPERTYNO STREET CITY
-----
PA14 16 Holhead Aberdeen
PL94 6 Argyll St London

2 registro(s) seleccionado(s).
db2 =>
```

5. MOSTRAR UNA LISTA CON LOS NUMEROS DE PROPIEDAD Y EL COMENTARIO QUE SE HAYA HECHO PARA LOS INMUEBLES VISITADOS EN EL MES DE MAYO



```
QTermWidget
2 registro(s) seleccionado(s).
db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode LIKE '___';
PROPERTYNO STREET CITY
-----
PL94 6 Argyll St London
PG21 18 Dale Rd Glasgow

2 registro(s) seleccionado(s).
db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode NOT LIKE 'G%';
PROPERTYNO STREET CITY
-----
PA14 16 Holhead Aberdeen
PL94 6 Argyll St London

2 registro(s) seleccionado(s).
db2 => SELECT propertyNo, comment FROM Viewing WHERE viewDate LIKE 'May%';
PROPERTYNO COMMENT
-----
PA14 too small
PG4 no dining room
PA14 no dining room

3 registro(s) seleccionado(s).
db2 =>
```

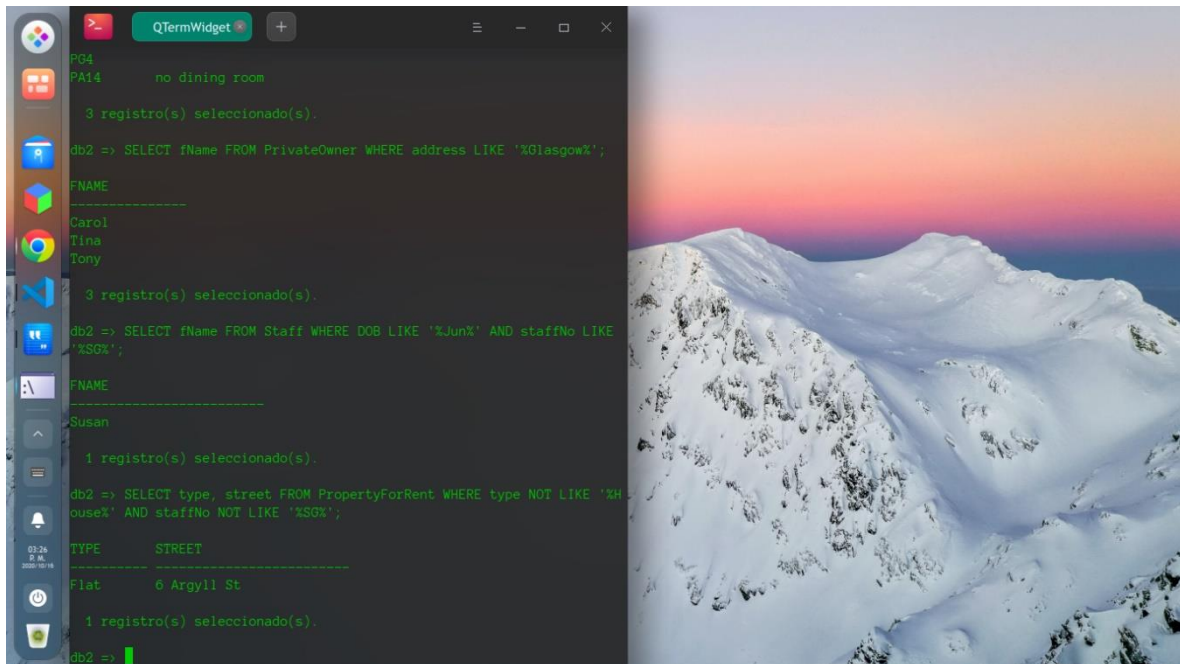
6. GENERAR UN LISTADO CON EL NOMBRE DEL PROPIETARIO QUE VIVA EN GLASGOW

```
QTermWidget +
2 registro(s) seleccionado(s).
db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode NOT LIKE 'OX';
PROPERTYNO STREET CITY
-----
PA14 16 Holhead Aberdeen
PL94 6 Argyll St London
2 registro(s) seleccionado(s).
db2 => SELECT propertyNo, comment FROM Viewing WHERE viewDate LIKE '%May%';
PROPERTYNO COMMENT
-----
PA14 too small
PG4
PA14 no dining room
3 registro(s) seleccionado(s).
db2 => SELECT fName FROM PrivateOwner WHERE address LIKE '%Glasgow%';
FNAME
-----
Carol
Tina
Tony
3 registro(s) seleccionado(s).
db2 =>
```

7. GENERAR UN LISTADO CON EL NOMBRE DEL PERSONAL QUE HAYA NACIDO EN JUNIO Y QUE TENGA UN NUMERO DE TRABAJADOR CON EL CODIGO "SG"

```
QTermWidget +
2 registro(s) seleccionado(s).
db2 => SELECT propertyNo, comment FROM Viewing WHERE viewDate LIKE '%May%';
PROPERTYNO COMMENT
-----
PA14 too small
PG4
PA14 no dining room
3 registro(s) seleccionado(s).
db2 => SELECT fName FROM PrivateOwner WHERE address LIKE '%Glasgow%';
FNAME
-----
Carol
Tina
Tony
3 registro(s) seleccionado(s).
db2 => SELECT fName FROM Staff WHERE DOB LIKE '%Jun%' AND staffNo LIKE '%SG%';
FNAME
-----
Susan
1 registro(s) seleccionado(s).
db2 =>
```

8. GENERAR UN LISTADO CON EL TIPO DE PROPIEDAD Y LA DIRECCION DE LOS INMUEBLES QUE NO SEAN CASAS Y QUE NO ESTEN ASIGNADOS A PERSONAL QUE TENGA UN NUMERO DE TRABAJADOR CON EL CODIGO "SG"



```
PG4
PA14      no dining room

3 registro(s) seleccionado(s).

db2 => SELECT fName FROM PrivateOwner WHERE address LIKE '%Glasgow%';
FNAME
-----
Carol
Tina
Tony

3 registro(s) seleccionado(s).

db2 => SELECT fName FROM Staff WHERE DOB LIKE '%Jun%' AND staffNo LIKE
'SGX';
FNAME
-----
Susan

1 registro(s) seleccionado(s).

db2 => SELECT type, street FROM PropertyForRent WHERE type NOT LIKE '%H
ouse%' AND staffNo NOT LIKE '%SGX';
TYPE      STREET
-----
Flat      6 Argyll St

1 registro(s) seleccionado(s).

db2 =>
```