



TECNOLÓGICO NACIONAL DE MÈXICO

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

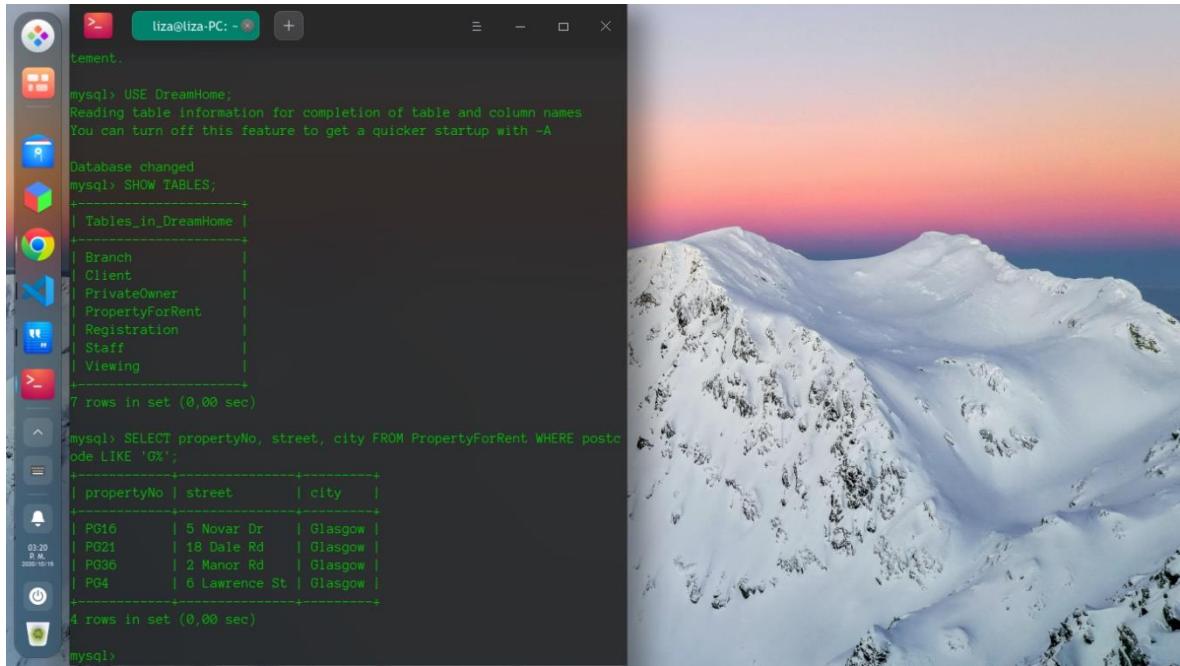
NO. CONTROL: 16070005

16 DE OCTUBRE DE 2020

JEREZ DE GARCIA SALINAS

DREAMHOME - MySQL

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



The terminal window shows the following MySQL session:

```
liza@liza-PC: ~
tement.

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

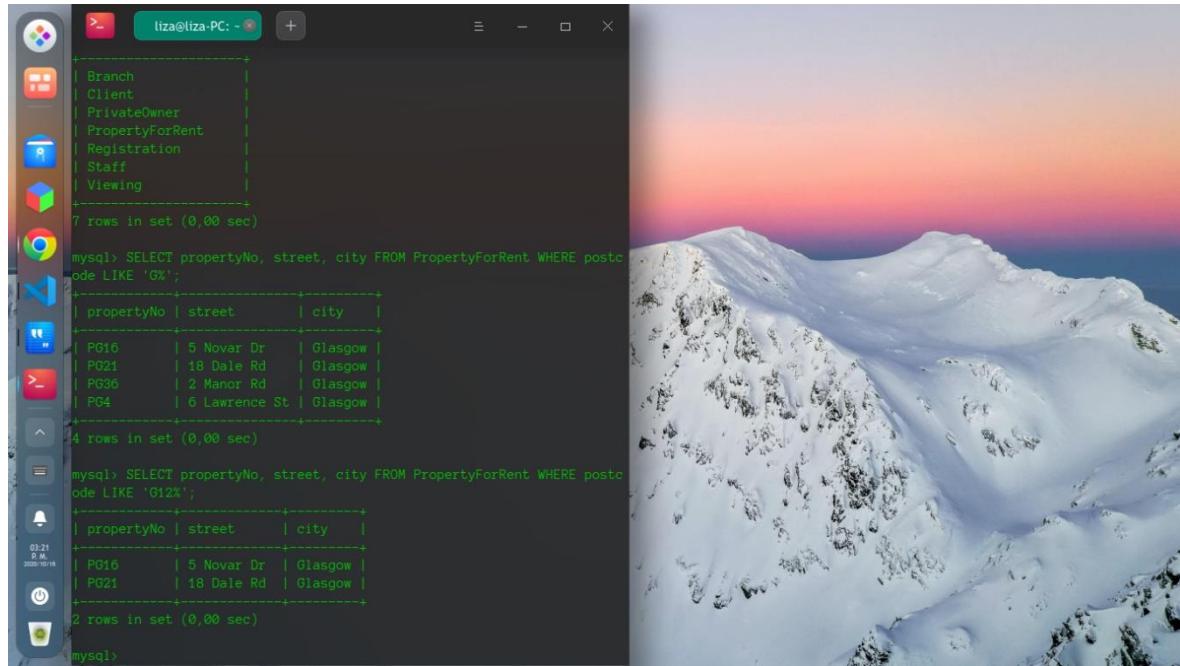
Database changed
mysql> SHOW TABLES;
+---------------------+
| Tables_in_DreamHome |
+---------------------+
| Branch              |
| Client              |
| PrivateOwner        |
| PropertyForRent     |
| Registration        |
| Staff               |
| Viewing             |
+---------------------+
7 rows in set (0,00 sec)

mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postc
ode 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>
```

The background of the terminal window features a photograph of a snow-covered mountain range at sunset.

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



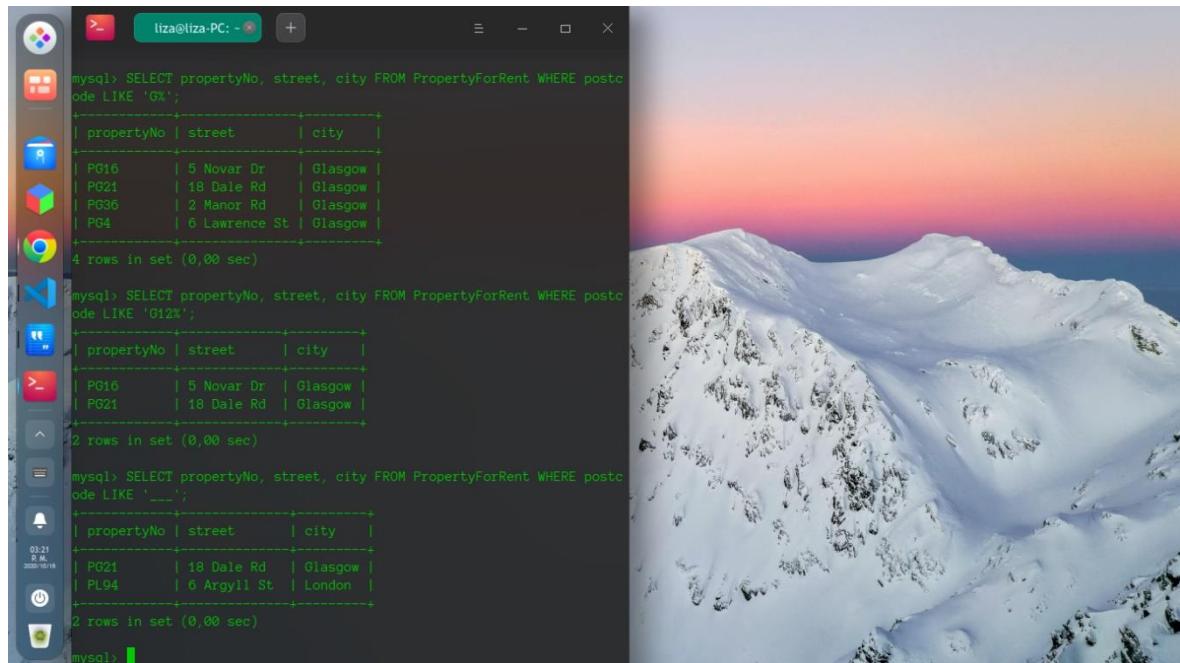
```
liza@liza-PC: ~
+-----+
| Branch
| Client
| PrivateOwner
| PropertyForRent
| Registration
| Staff
| Viewing
+-----+
7 rows in set (0,00 sec)

mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postc
ode 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> SELECT propertyNo, street, city FROM PropertyForRent WHERE postc
ode LIKE 'G12%';
+-----+
| propertyNo | street      | city   |
+-----+
| PG16      | 5 Novar Dr  | Glasgow |
| PG21      | 18 Dale Rd   | Glasgow |
+-----+
2 rows in set (0,00 sec)

mysql>
```

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



```
liza@liza-PC: ~
+-----+
| Branch
| Client
| PrivateOwner
| PropertyForRent
| Registration
| Staff
| Viewing
+-----+
7 rows in set (0,00 sec)

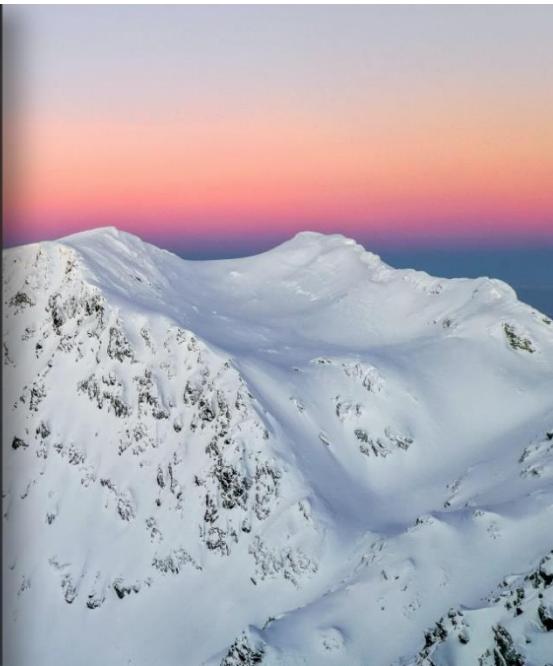
mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postc
ode LIKE 'G%';
+-----+
| propertyNo | street      | city   |
+-----+
| PG16      | 5 Novar Dr  | Glasgow |
| PG21      | 18 Dale Rd   | Glasgow |
| PG36      | 2 Manor Rd  | Glasgow |
| PG4       | 6 Lawrence St| Glasgow |
+-----+
4 rows in set (0,00 sec)

mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postc
ode 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 postc
ode LIKE '___';
+-----+
| propertyNo | street      | city   |
+-----+
| PG21      | 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: ~
+-----+
4 rows in set (0,00 sec)

mysql> SELECT propertyNo, street, city FROM PropertyForRent WHERE postc
ode 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 postc
ode 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 postc
ode NOT LIKE 'G%';
+-----+
| propertyNo | street      | city   |
+-----+
| PA14      | 16 Holthead  | 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: ~
+-----+
2 rows in set (0,00 sec)

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

mysql> SELECT propertyNo, comment FROM Viewing WHERE viewDate LIKE '%M
ay%';
+-----+
| propertyNo | comment    |
+-----+
| PA14      | too small   |
| PG4       |                |
| 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: ~
2 rows in set (0,00 sec)

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

mysql> SELECT propertyNo, comment FROM Viewing WHERE viewDate LIKE '%M
ay%';
+-----+-----+
| 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: ~
2 rows in set (0,00 sec)

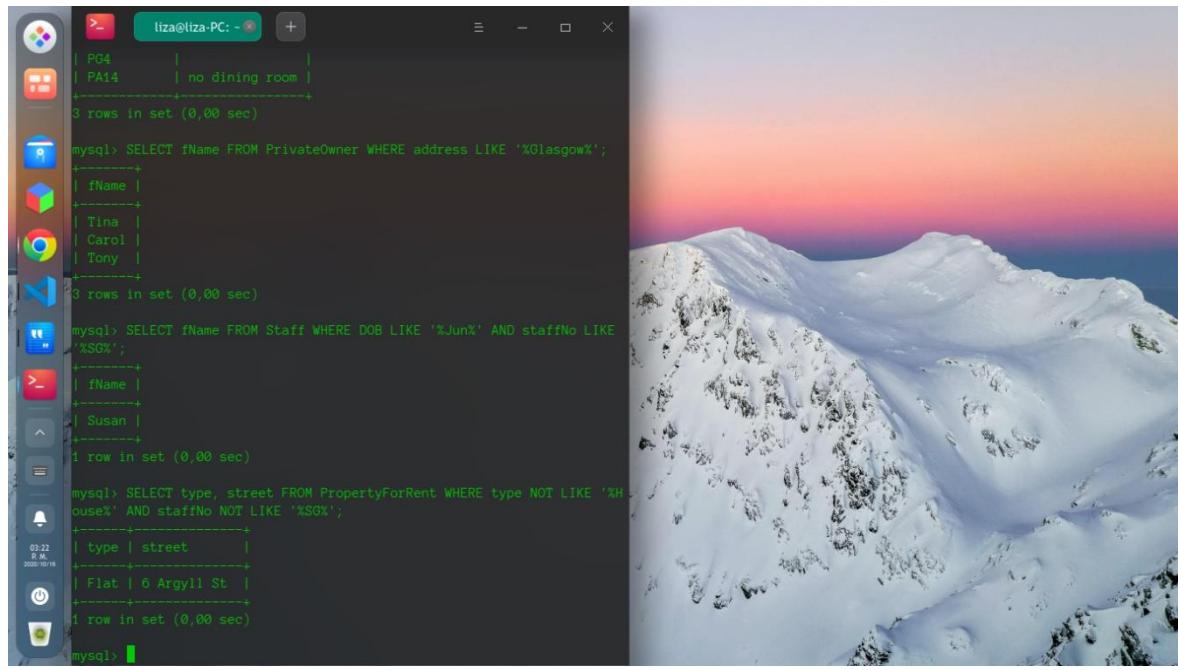
mysql> SELECT propertyNo, comment FROM Viewing WHERE viewDate LIKE '%M
ay%';
+-----+-----+
| propertyNo | comment    |
+-----+-----+
| PA14      | too small   |
| PG4       |             |
| PA14      | no dining room |
+-----+-----+
3 rows in set (0,00 sec)

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: ~
+-----+
| 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 dirección y la ciudad que tengan código postal que inicie con la letra "G".

The terminal window shows the following output:

```
QTermWidget + ─ ┐ └ ┘
Tipo Hora creación
-----
BRANCH      LIZA    T   2020-10-16-14.15.
18.634131
CLIENT      LIZA    T   2020-10-16-14.16.
27.693336
PRIVATEOWNER LIZA    T   2020-10-16-14.17.
20.188934
PROPERTYFORRENT LIZA    T   2020-10-16-14.30.
12.665112
REGISTRATION LIZA    T   2020-10-16-14.28.
28.827605
STAFF       LIZA    T   2020-10-16-14.27.
13.452874
VIEWING     LIZA    T   2020-10-16-14.49.
21.630168

7 registro(s) seleccionado(s).

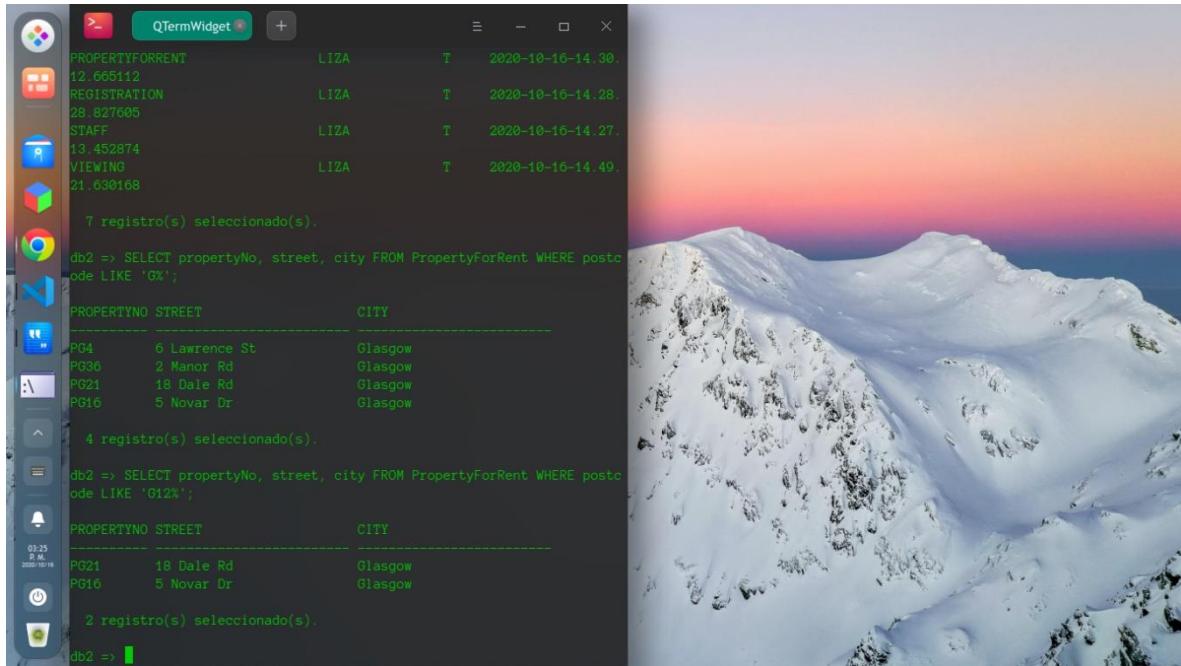
db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postc
ode LIKE 'G%';

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

4 registro(s) seleccionado(s).

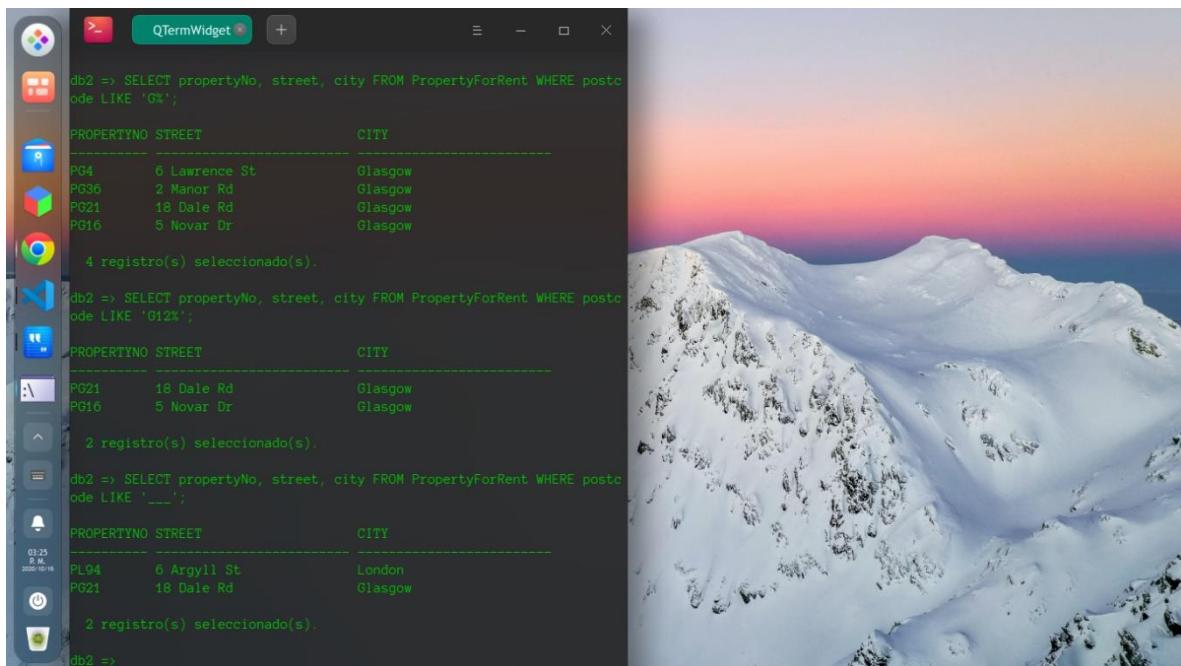
db2 =>
```

2. Mostrar una lista con el numero de propiedad, la dirección y la ciudad que tengan código postal que inicie con "G12"



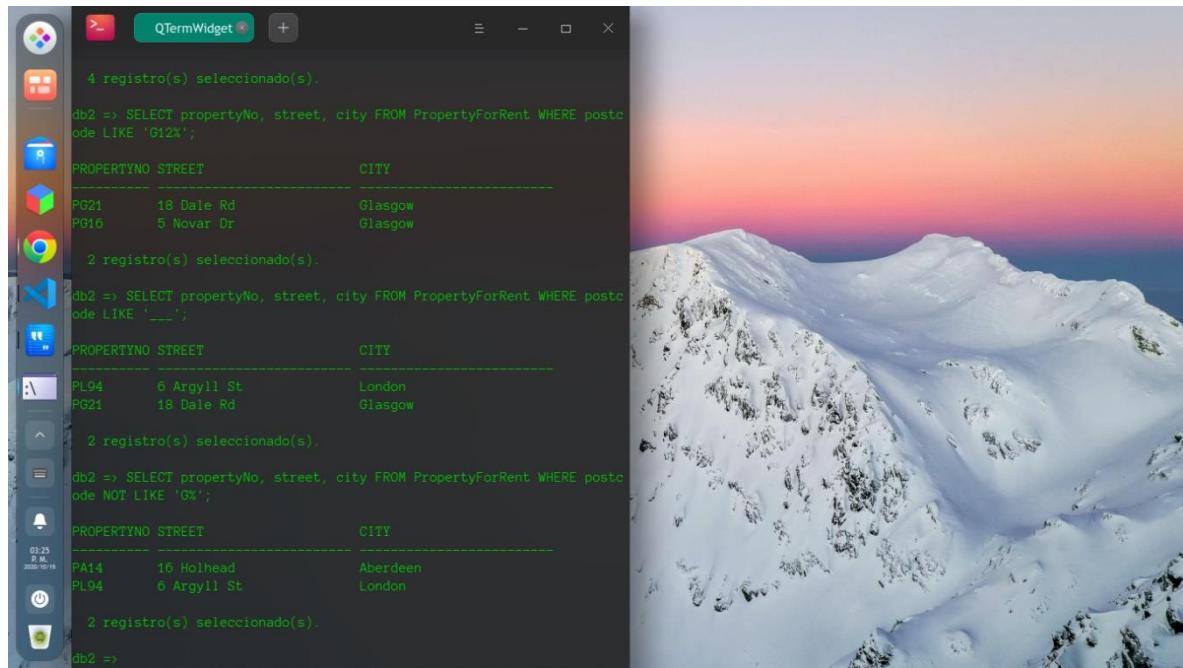
```
PROPERTYFORRENT          LIZA      T    2020-10-16-14.30.  
12_665112  
REGISTRATION             LIZA      T    2020-10-16-14.28.  
28_827005  
STAFF                    LIZA      T    2020-10-16-14.27.  
13_452874  
VIEWING                 LIZA      T    2020-10-16-14.49.  
21_690168  
  
7 registro(s) seleccionado(s).  
  
db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode LIKE 'G12%';  
  
PROPERTYNO STREET           CITY  
-----  
PG4      6 Lawrence St     Glasgow  
PG36     2 Manor Rd       Glasgow  
PG21     18 Dale Rd       Glasgow  
PG16     5 Novar Dr       Glasgow  
  
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 =>
```

3. Mostrar una lista con el numero de propiedad, la dirección y la ciudad que tengan código postal solo con 3 caracteres



```
PROPERTYFORRENT          LIZA      T    2020-10-16-14.30.  
12_665112  
REGISTRATION             LIZA      T    2020-10-16-14.28.  
28_827005  
STAFF                    LIZA      T    2020-10-16-14.27.  
13_452874  
VIEWING                 LIZA      T    2020-10-16-14.49.  
21_690168  
  
7 registro(s) seleccionado(s).  
  
db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postcode 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  
  
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 =>
```

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"



```

4 registro(s) seleccionado(s).

db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postc
ode 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 postc
ode 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 postc
ode NOT LIKE 'G%';

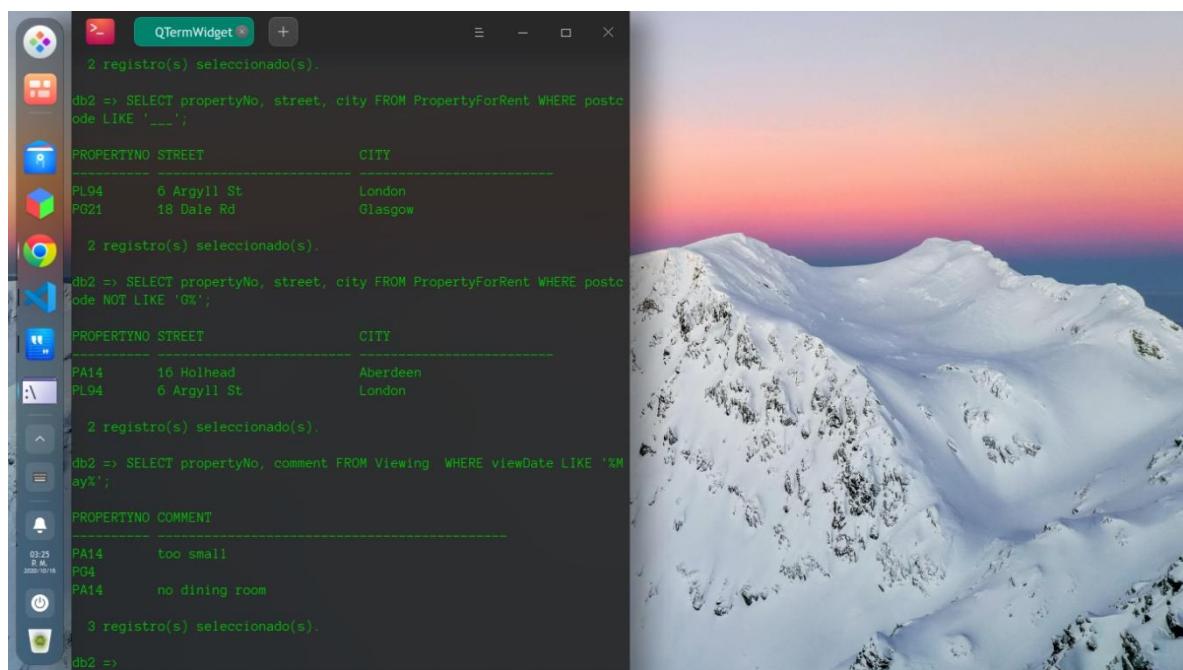
PROPERTYNO STREET CITY
PA14    16 Holhead    Aberdeen
PL94    6 Argyll St  London

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



```

2 registro(s) seleccionado(s).

db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postc
ode 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 postc
ode 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 'M
ay%';

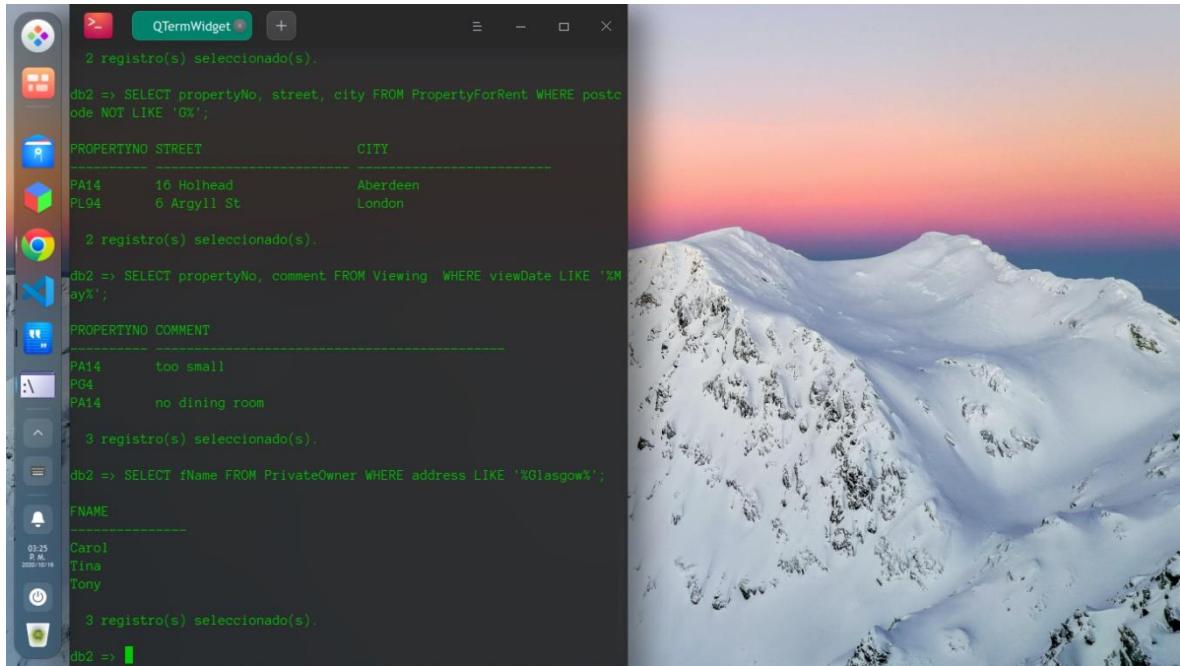
PROPERTYNO COMMENT
PA14    too small
PG4     no dining room
PA14    no dining room

3 registro(s) seleccionado(s).

db2 =>

```

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



```
2 registro(s) seleccionado(s).

db2 => SELECT propertyNo, street, city FROM PropertyForRent WHERE postc ode 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
PA14      no dining room

3 registro(s) seleccionado(s).

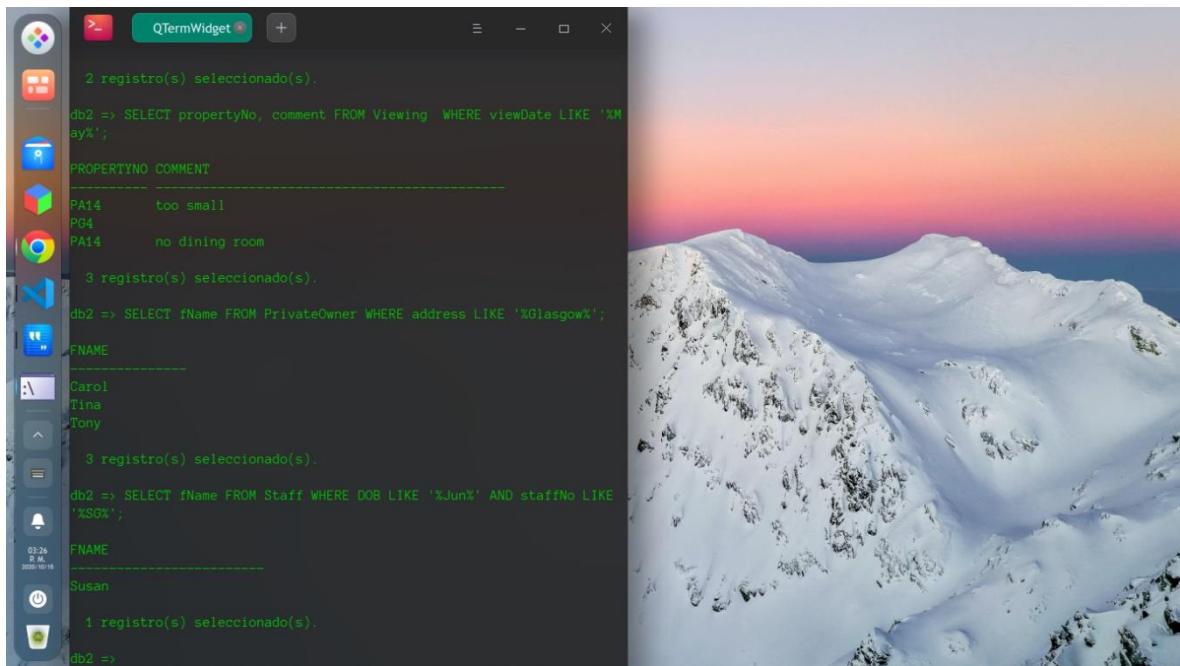
db2 => SELECT fName FROM PrivateOwner WHERE address LIKE '%Glasgow%';

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"



```
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).

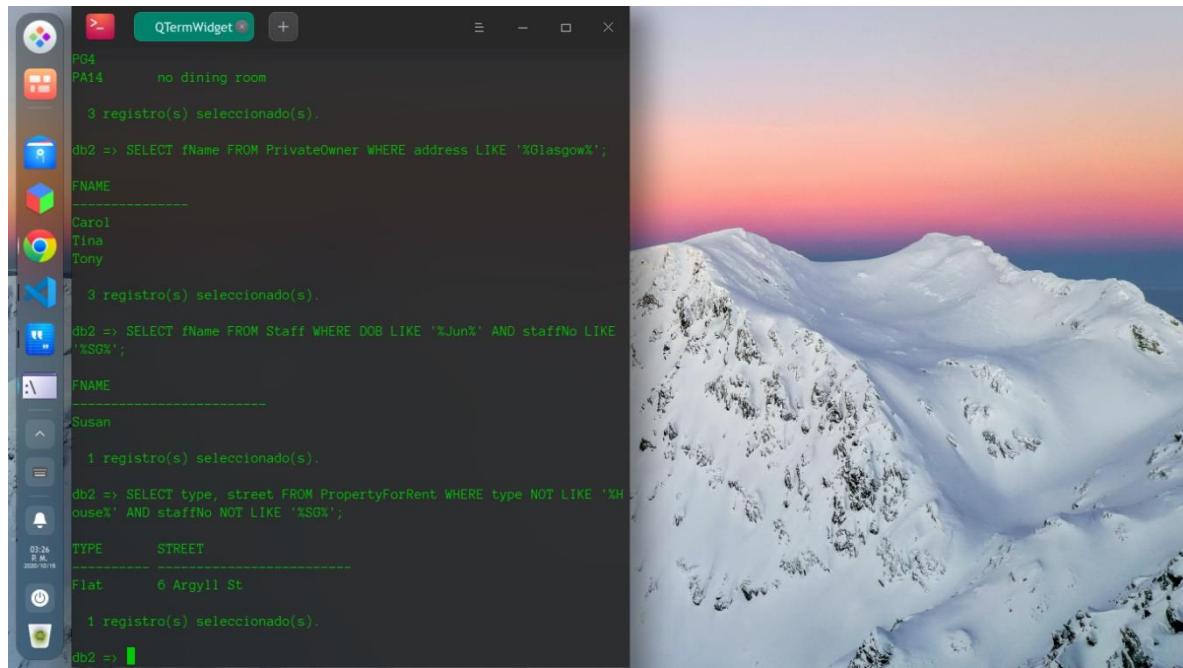
db2 => SELECT fName FROM Staff WHERE DOB LIKE '%Jun%' AND staffNo LIKE '%SG%';

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      no dining room
PA14
  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 => SELECT type, street FROM PropertyForRent WHERE type NOT LIKE '%House%' AND staffNo NOT LIKE '%SG%';

TYPE      STREET
-----  -----
Flat      6 Argyll St

  1 registro(s) seleccionado(s).

db2 => 
```