



TECNOLÒGICO 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 1: EJERCICIOS SQL - CONSULTAS

ALUMNA: LIZA AREMY SANTANA CONTRERAS

NO. CONTROL: 16070005

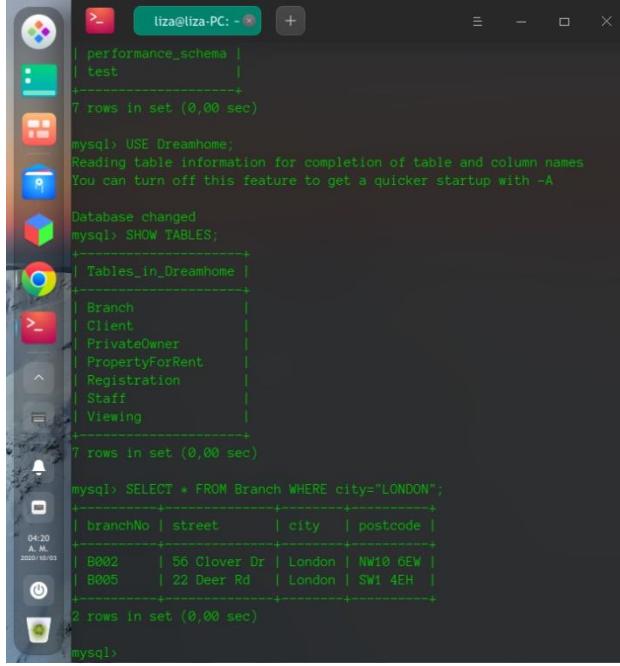
02 DE OCTUBRE DE 2020

JEREZ DE GARCIA SALINAS

# BD DREAMHOME

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## 1. Mostrar las sucursales ubicadas en Londres



liza@liza-PC: ~

```
| performance_schema |
| test |
+-----+
7 rows in set (0,00 sec)

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

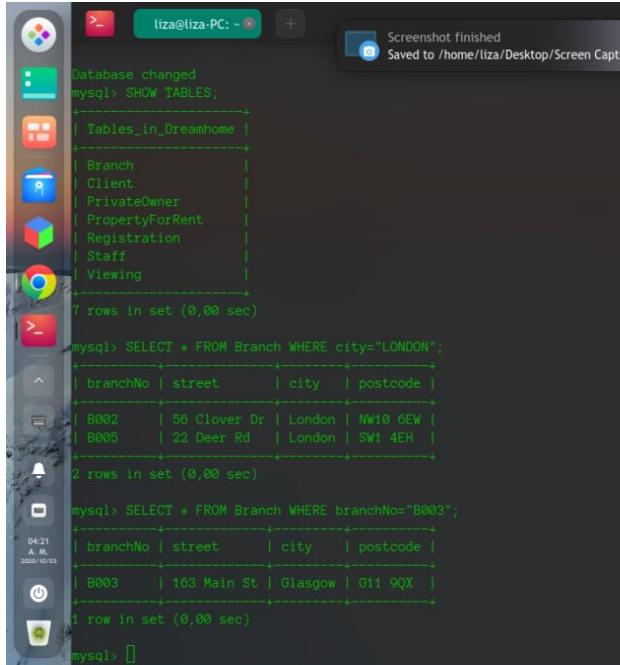
Database changed
mysql> SHOW TABLES;
+-----+
| Tables_in_Dreamhome |
+-----+
| Branch
| Client
| PrivateOwner
| PropertyForRent
| Registration
| Staff
| Viewing
+-----+
7 rows in set (0,00 sec)

mysql> SELECT * FROM Branch WHERE city="LONDON";
+-----+-----+-----+
| branchNo | street      | city    | postcode |
+-----+-----+-----+
| B002    | 56 Clover Dr | London | NW10 6EW |
| B005    | 22 Deer Rd   | London | SW1 4EH |
+-----+-----+-----+
2 rows in set (0,00 sec)

mysql>
```



## 2. Mostrar los datos de la sucursal B003.



liza@liza-PC: ~

```
Screenshot finished
Saved to /home/liza/Desktop/Screen Capture_20201003042121.png
```

Database changed

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

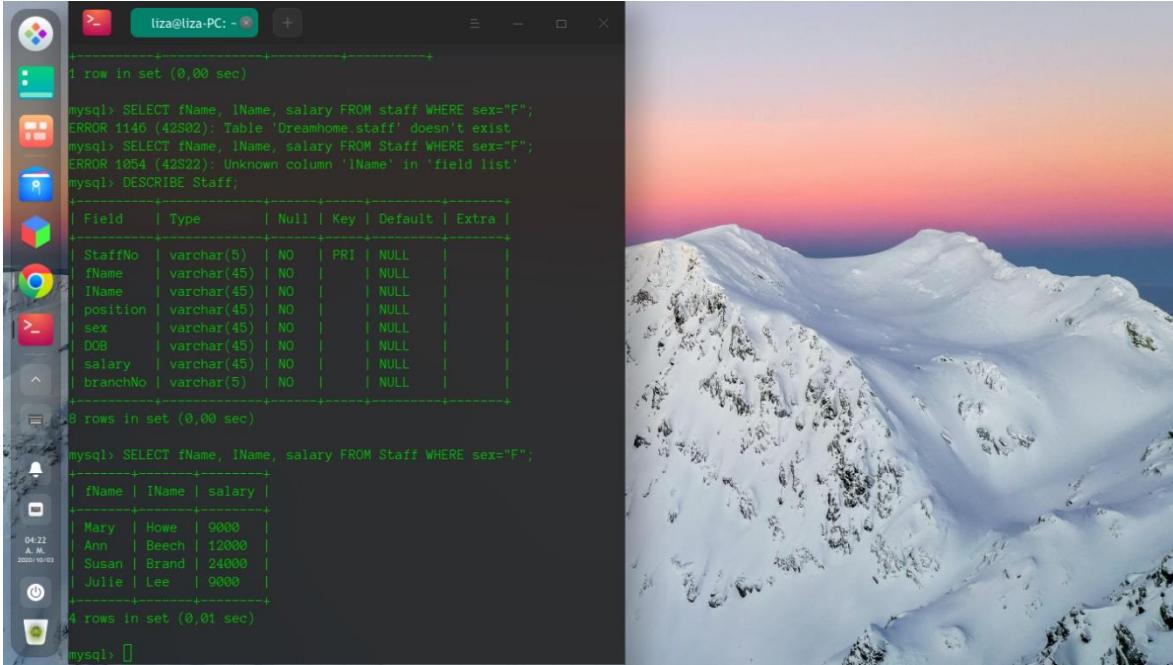
mysql> SELECT * FROM Branch WHERE city="LONDON";
+-----+-----+-----+
| branchNo | street      | city    | postcode |
+-----+-----+-----+
| B002    | 56 Clover Dr | London | NW10 6EW |
| B005    | 22 Deer Rd   | London | SW1 4EH |
+-----+-----+-----+
2 rows in set (0,00 sec)

mysql> SELECT * FROM Branch WHERE branchNo="B003";
+-----+-----+-----+
| branchNo | street      | city    | postcode |
+-----+-----+-----+
| B003    | 163 Main St | Glasgow | G11 9QX |
+-----+-----+-----+
1 row in set (0,00 sec)

mysql>
```



### 3. Mostrar Nombre, Apellido y salario de las mujeres.



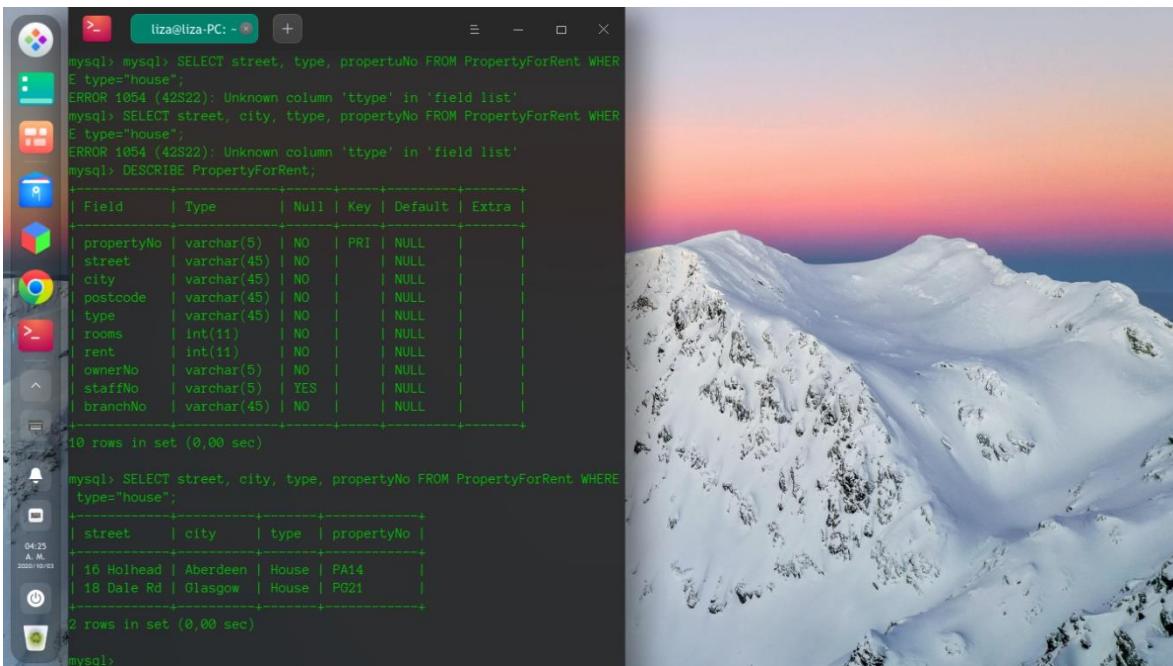
The terminal window shows the following MySQL session:

```
liza@liza-PC: ~
mysql> SELECT fName, lName, salary FROM staff WHERE sex="F";
ERROR 1146 (42S02): Table 'Dreamhome.staff' doesn't exist
mysql> SELECT fName, lName, salary FROM Staff WHERE sex="F";
ERROR 1054 (42S22): Unknown column 'lName' in 'field list'
mysql> DESCRIBE Staff;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| StaffNo | varchar(5) | NO | PRI | NULL | 
| fName | varchar(45) | NO | | NULL | 
| lName | varchar(45) | NO | | NULL | 
| position | varchar(45) | NO | | NULL | 
| sex | varchar(45) | NO | | NULL | 
| DOB | varchar(45) | NO | | NULL | 
| salary | varchar(45) | NO | | NULL | 
| branchNo | varchar(5) | NO | | NULL | 
+-----+-----+-----+-----+-----+
8 rows in set (0,00 sec)

mysql> SELECT fName, lName, salary FROM Staff WHERE sex="F";
+-----+-----+-----+
| fName | lName | salary |
+-----+-----+-----+
| Mary | Howe | 9000 |
| Ann | Beech | 12000 |
| Susan | Brand | 24000 |
| Julie | Lee | 9000 |
+-----+-----+-----+
4 rows in set (0,01 sec)

mysql>
```

### 4. Mostrar Calle, ciudad, Tipo y numero de propiedad de las propiedades que sean casas.



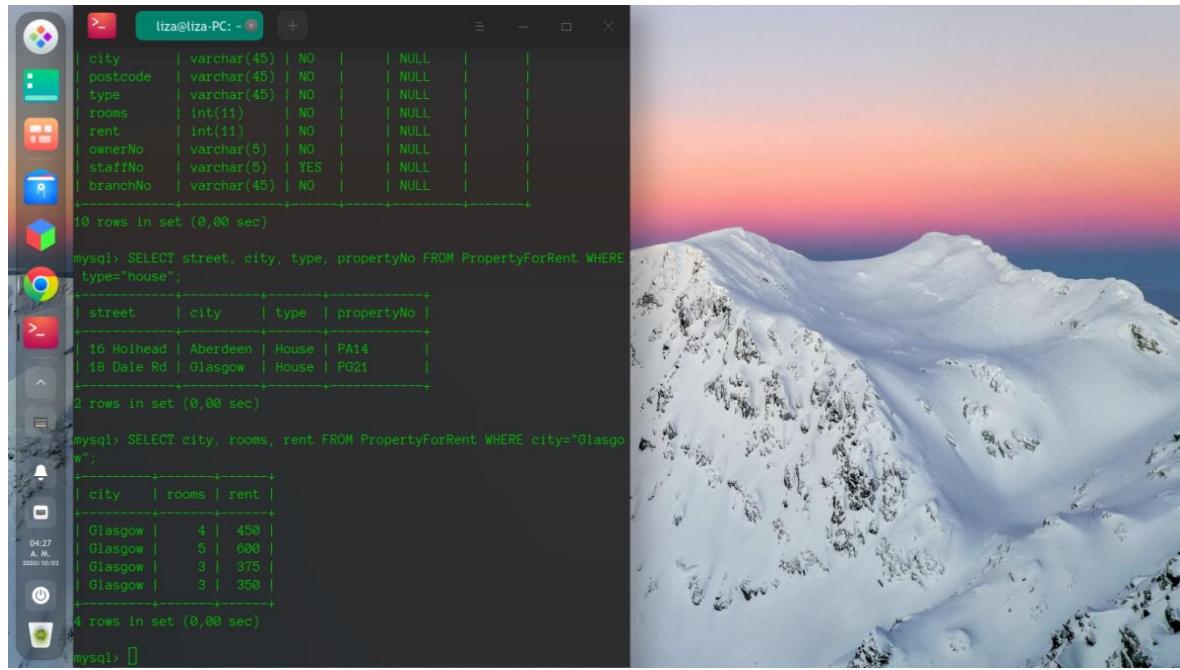
The terminal window shows the following MySQL session:

```
liza@liza-PC: ~
mysql> SELECT street, type, propertyNo FROM PropertyForRent WHERE
E type="house";
ERROR 1054 (42S22): Unknown column 'ttype' in 'field list'
mysql> SELECT street, city, ttype, propertyNo FROM PropertyForRent WHERE
E type="house";
ERROR 1054 (42S22): Unknown column 'ttype' in 'field list'
mysql> DESCRIBE PropertyForRent;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| propertyNo | varchar(5) | NO | PRI | NULL | 
| street | varchar(45) | NO | | NULL | 
| city | varchar(45) | NO | | NULL | 
| postcode | varchar(45) | NO | | NULL | 
| type | varchar(45) | NO | | NULL | 
| rooms | int(11) | NO | | NULL | 
| rent | int(11) | NO | | NULL | 
| ownerNo | varchar(5) | NO | | NULL | 
| staffNo | varchar(5) | YES | | NULL | 
| branchNo | varchar(45) | NO | | NULL | 
+-----+-----+-----+-----+-----+
10 rows in set (0,00 sec)

mysql> SELECT street, city, type, propertyNo FROM PropertyForRent WHERE
type="house";
+-----+-----+-----+-----+
| street | city | type | propertyNo |
+-----+-----+-----+-----+
| 16 Holhead | Aberdeen | House | PA14 |
| 18 Dale Rd | Glasgow | House | PG21 |
+-----+-----+-----+-----+
2 rows in set (0,00 sec)

mysql>
```

5. Mostrar Ciudad, cantidad de habitaciones y precio de renta de las propiedades ubicadas en Glasgow.



The terminal window displays the following MySQL queries and their results:

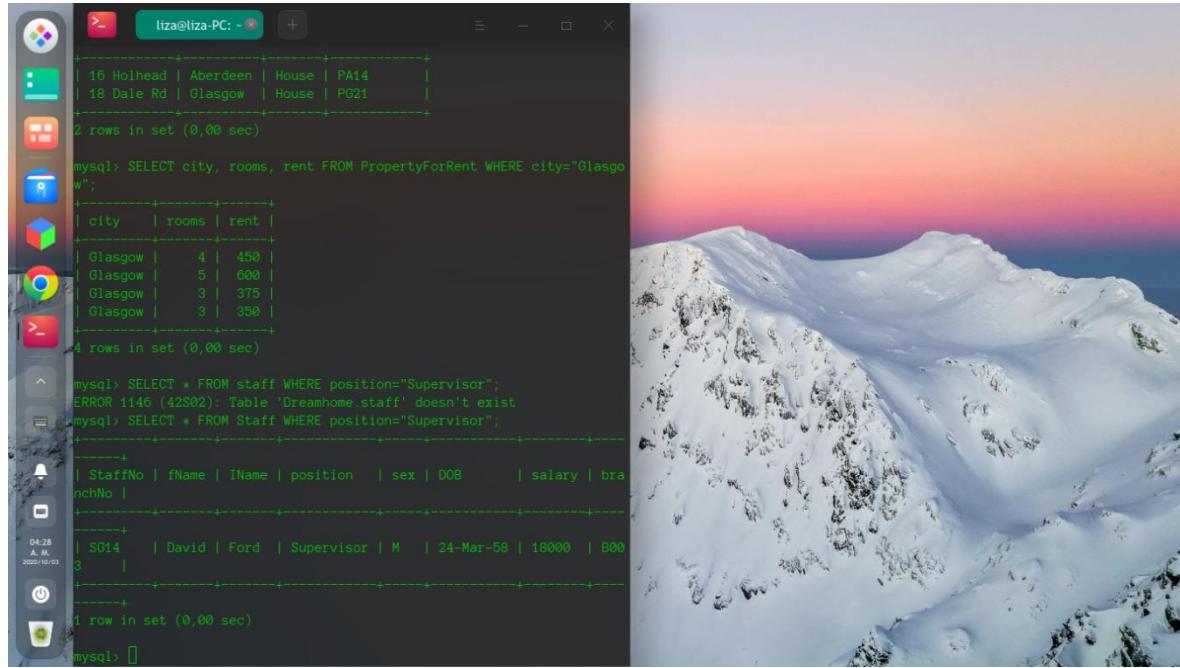
```
liza@liza-PC: ~
+-----+
| city | varchar(45) | NO |   | NULL |
+-----+
| postcode | varchar(45) | NO |   | NULL |
+-----+
| type | varchar(45) | NO |   | NULL |
+-----+
| rooms | int(11) | NO |   | NULL |
+-----+
| rent | int(11) | NO |   | NULL |
+-----+
| ownerNo | varchar(5) | NO |   | NULL |
+-----+
| staffNo | varchar(5) | YES |   | NULL |
+-----+
| branchNo | varchar(45) | NO |   | NULL |
+-----+
10 rows in set (0,00 sec)

mysql> SELECT street, city, type, propertyNo FROM PropertyForRent WHERE type="house";
+-----+
| street | city | type | propertyNo |
+-----+
| 16 Holthead | Aberdeen | House | PA14 |
| 18 Dale Rd | Glasgow | House | PG21 |
+-----+
2 rows in set (0,00 sec)

mysql> SELECT city, rooms, rent FROM PropertyForRent WHERE city="Glasgow";
+-----+
| city | rooms | rent |
+-----+
| Glasgow | 4 | 450 |
| Glasgow | 5 | 600 |
| Glasgow | 3 | 375 |
| Glasgow | 3 | 350 |
+-----+
4 rows in set (0,00 sec)

mysql>
```

6. Mostrar todos los empleados que no sean Supervisores.



The terminal window displays the following MySQL queries and their results:

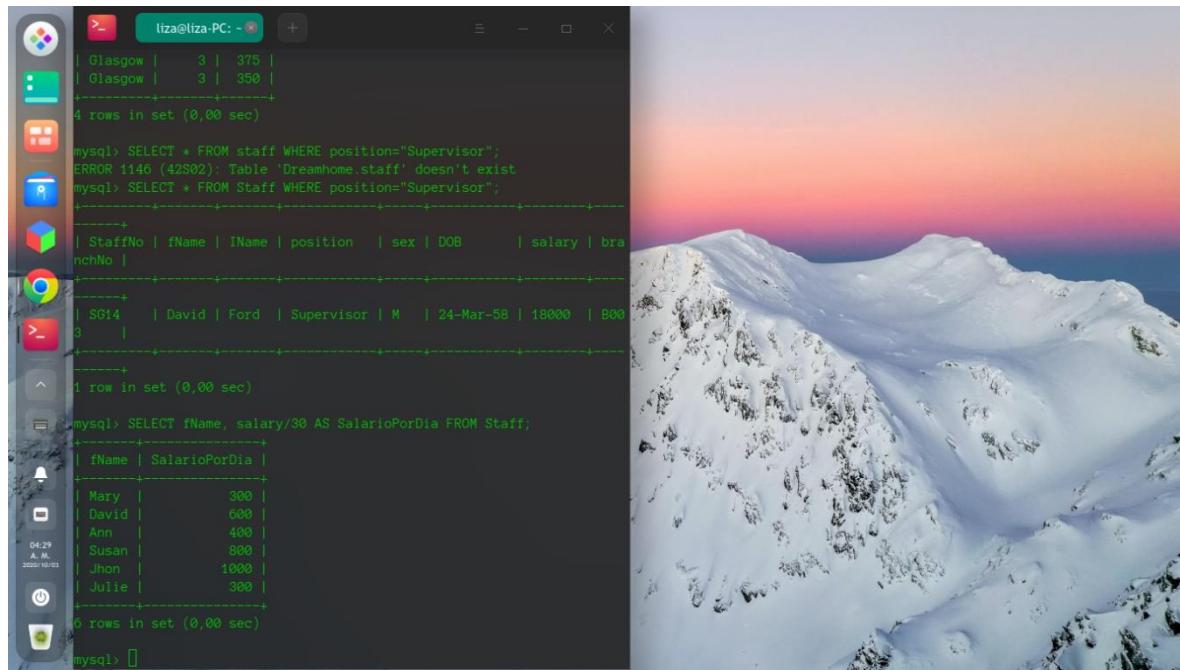
```
liza@liza-PC: ~
+-----+
| 16 Holthead | Aberdeen | House | PA14 |
| 18 Dale Rd | Glasgow | House | PG21 |
+-----+
2 rows in set (0,00 sec)

mysql> SELECT city, rooms, rent FROM PropertyForRent WHERE city="Glasgow";
+-----+
| city | rooms | rent |
+-----+
| Glasgow | 4 | 450 |
| Glasgow | 5 | 600 |
| Glasgow | 3 | 375 |
| Glasgow | 3 | 350 |
+-----+
4 rows in set (0,00 sec)

mysql> SELECT * FROM staff WHERE position="Supervisor";
ERROR 1146 (42S02): Table 'Dreamhome.staff' doesn't exist
mysql> SELECT * FROM Staff WHERE position="Supervisor";
+-----+
| StaffNo | fName | lName | position | sex | DOB | salary | branchNo |
+-----+
| SG14    | David | Ford  | Supervisor | M   | 24-Mar-58 | 18000  | 8003 |
+-----+
1 row in set (0,00 sec)

mysql>
```

7. Crear una lista con el salario diario de todos los empleados.



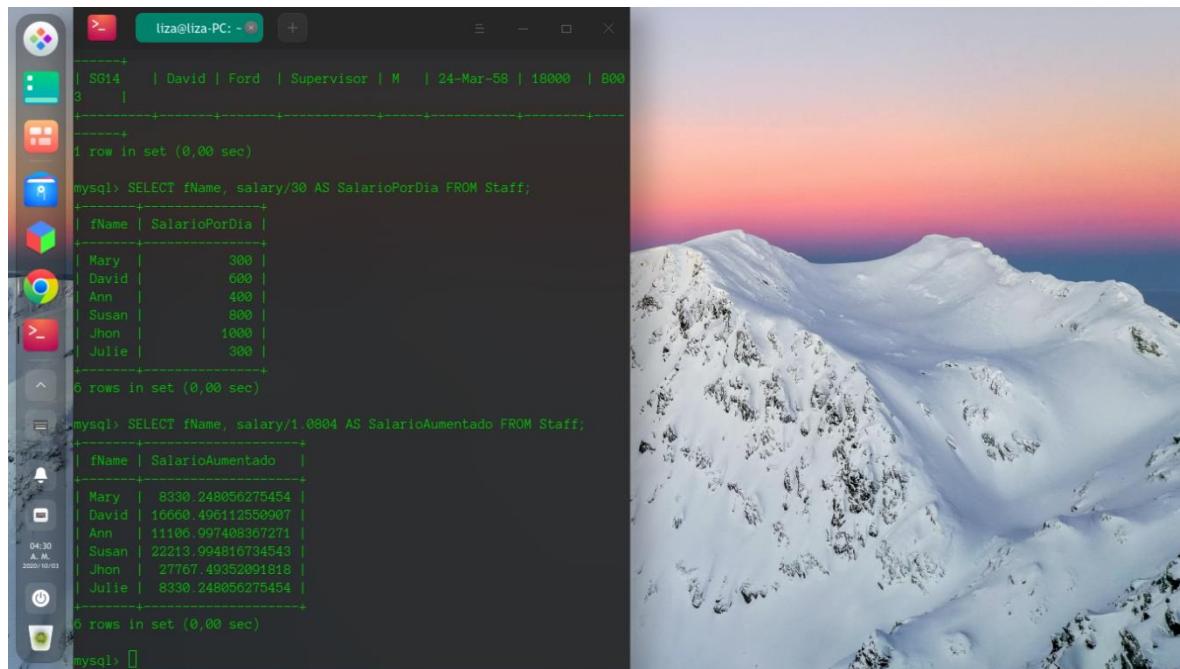
```
liza@liza-PC: ~
+-----+
| Glasgow |   3 | 375 |
| Glasgow |   3 | 350 |
+-----+
4 rows in set (0,00 sec)

mysql> SELECT * FROM staff WHERE position="Supervisor";
ERROR 1146 (42S02): Table 'Dreamhome.staff' doesn't exist
mysql> SELECT * FROM Staff WHERE position="Supervisor";
+-----+
| StaffNo | fName | lName | position | sex | DOB      | salary | branchNo |
+-----+
| SG14    | David  | Ford   | Supervisor | M   | 24-Mar-58 | 18000  | 800
| 3       |         |         |           |     |           |         |           |
+-----+
1 row in set (0,00 sec)

mysql> SELECT fName, salary/30 AS SalarioPorDia FROM Staff;
+-----+
| fName | SalarioPorDia |
+-----+
| Mary  |      300  |
| David |      600  |
| Ann   |      400  |
| Susan |      800  |
| Jhon  |     1000  |
| Julie |      300  |
+-----+
6 rows in set (0,00 sec)

mysql>
```

8. Mostrar una lista con los salarios de todos los empleados aumentado un 8.04%.



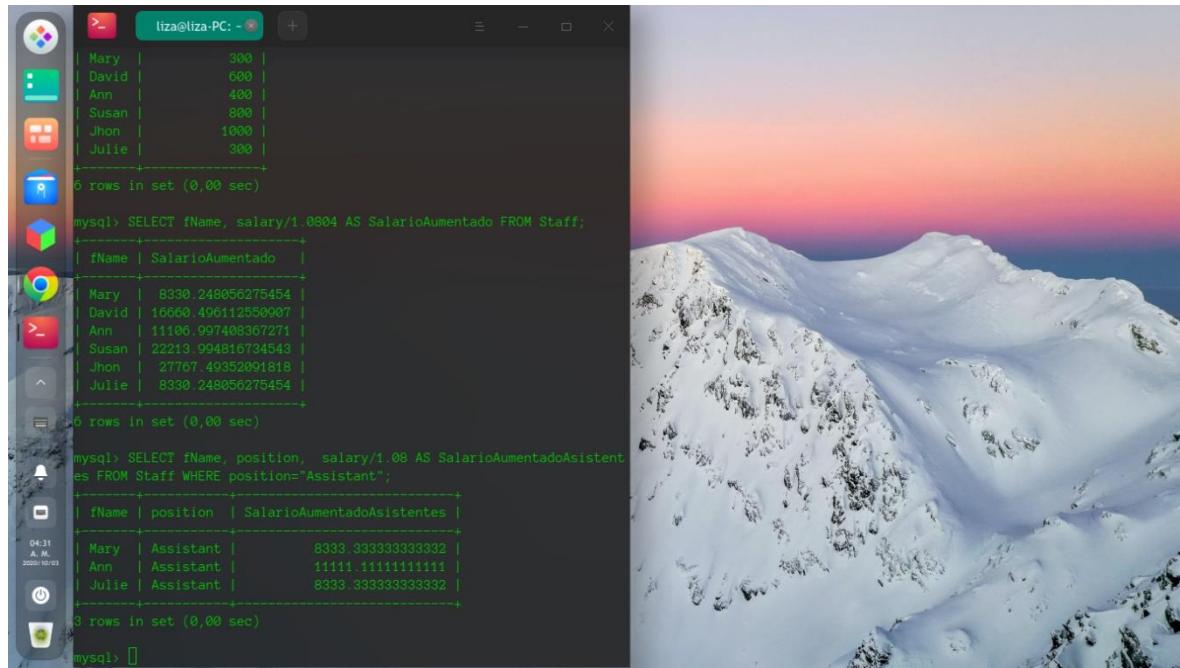
```
liza@liza-PC: ~
+-----+
| SG14    | David  | Ford   | Supervisor | M   | 24-Mar-58 | 18000  | 800
| 3       |         |         |           |     |           |         |           |
+-----+
1 row in set (0,00 sec)

mysql> SELECT fName, salary/30 AS SalarioPorDia FROM Staff;
+-----+
| fName | SalarioPorDia |
+-----+
| Mary  |      300  |
| David |      600  |
| Ann   |      400  |
| Susan |      800  |
| Jhon  |     1000  |
| Julie |      300  |
+-----+
6 rows in set (0,00 sec)

mysql> SELECT fName, salary/1.0804 AS SalarioAumentado FROM Staff;
+-----+
| fName | SalarioAumentado |
+-----+
| Mary  | 8330.248056275454 |
| David | 16660.496112550907 |
| Ann   | 11106.997408367271 |
| Susan | 22213.994816734543 |
| Jhon  | 27767.49352091818 |
| Julie | 8330.248056275454 |
+-----+
6 rows in set (0,00 sec)

mysql>
```

9. Mostrar una lista con los salarios de todos los empleados que sean asistentes aumentados un 8%.



The terminal window displays the following MySQL queries and their results:

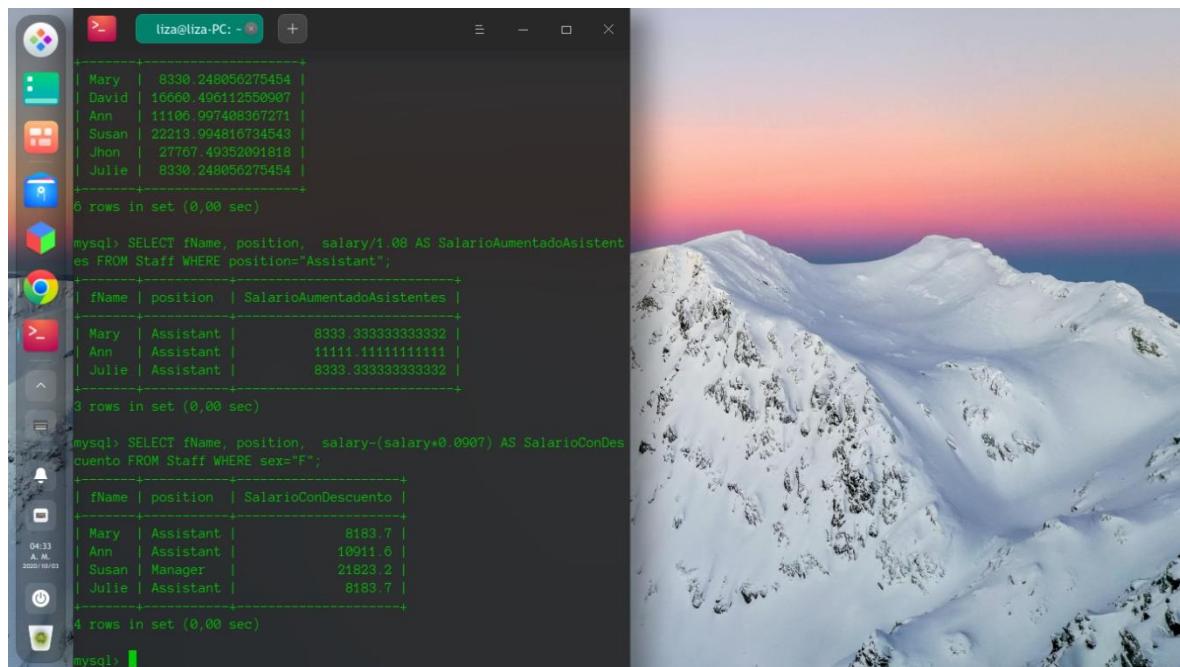
```
liza@liza-PC: ~
+-----+
| fName | salary |
+-----+
| Mary  |    300 |
| David |    600 |
| Ann   |    400 |
| Susan |    800 |
| Jhon  |   1000 |
| Julie |    300 |
+-----+
6 rows in set (0,00 sec)

mysql> SELECT fName, salary*1.0804 AS SalarioAumentado FROM Staff;
+-----+
| fName | SalarioAumentado |
+-----+
| Mary  | 8330.248056275454 |
| David | 16660.496112550907 |
| Ann   | 11106.997408367271 |
| Susan | 22213.994816734543 |
| Jhon  | 27767.49352091818 |
| Julie | 8330.248056275454 |
+-----+
6 rows in set (0,00 sec)

mysql> SELECT fName, position, salary*1.08 AS SalarioAumentadoAsistentes FROM Staff WHERE position="Assistant";
+-----+
| fName | position | SalarioAumentadoAsistentes |
+-----+
| Mary  | Assistant | 8333.333333333332 |
| Ann   | Assistant | 11111.111111111111 |
| Julie | Assistant | 8333.333333333332 |
+-----+
3 rows in set (0,00 sec)

mysql>
```

10. Mostrar una lista con los salarios de las mujeres decrementado un 9.07%



The terminal window displays the following MySQL queries and their results:

```
liza@liza-PC: ~
+-----+
| fName | salary |
+-----+
| Mary  |    300 |
| David |    600 |
| Ann   |    400 |
| Susan |    800 |
| Jhon  |   1000 |
| Julie |    300 |
+-----+
6 rows in set (0,00 sec)

mysql> SELECT fName, position, salary*1.08 AS SalarioAumentadoAsistentes FROM Staff WHERE position="Assistant";
+-----+
| fName | position | SalarioAumentadoAsistentes |
+-----+
| Mary  | Assistant | 8333.333333333332 |
| Ann   | Assistant | 11111.111111111111 |
| Julie | Assistant | 8333.333333333332 |
+-----+
3 rows in set (0,00 sec)

mysql> SELECT fName, position, salary-(salary*0.0907) AS SalarioConDescuento FROM Staff WHERE sex="F";
+-----+
| fName | position | SalarioConDescuento |
+-----+
| Mary  | Assistant |      8183.7 |
| Ann   | Manager   |     10911.6 |
| Susan | Manager   |     21823.2 |
| Julie | Assistant |      8183.7 |
+-----+
4 rows in set (0,00 sec)

mysql>
```