



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 1: EJERCICIOS SQL - CONSULTAS

ALUMNA: LIZA AREMY SANTANA CONTRERAS

NO. CONTROL: 16070005

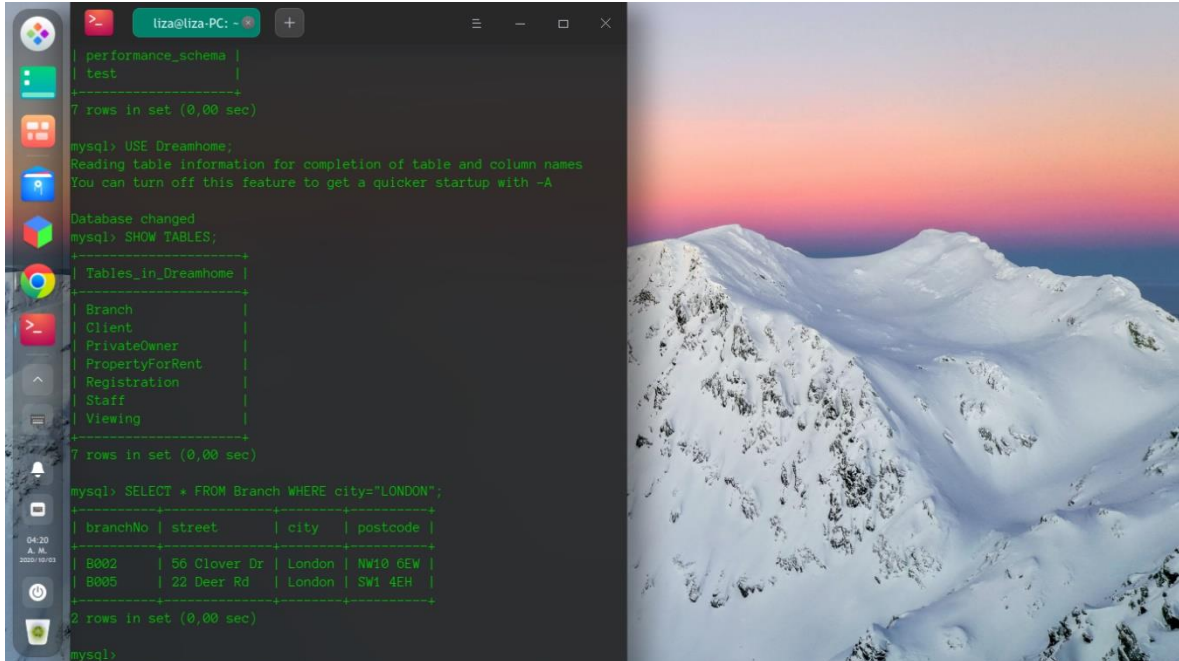
02 DE OCTUBRE DE 2020

JEREZ DE GARCIA SALINAS

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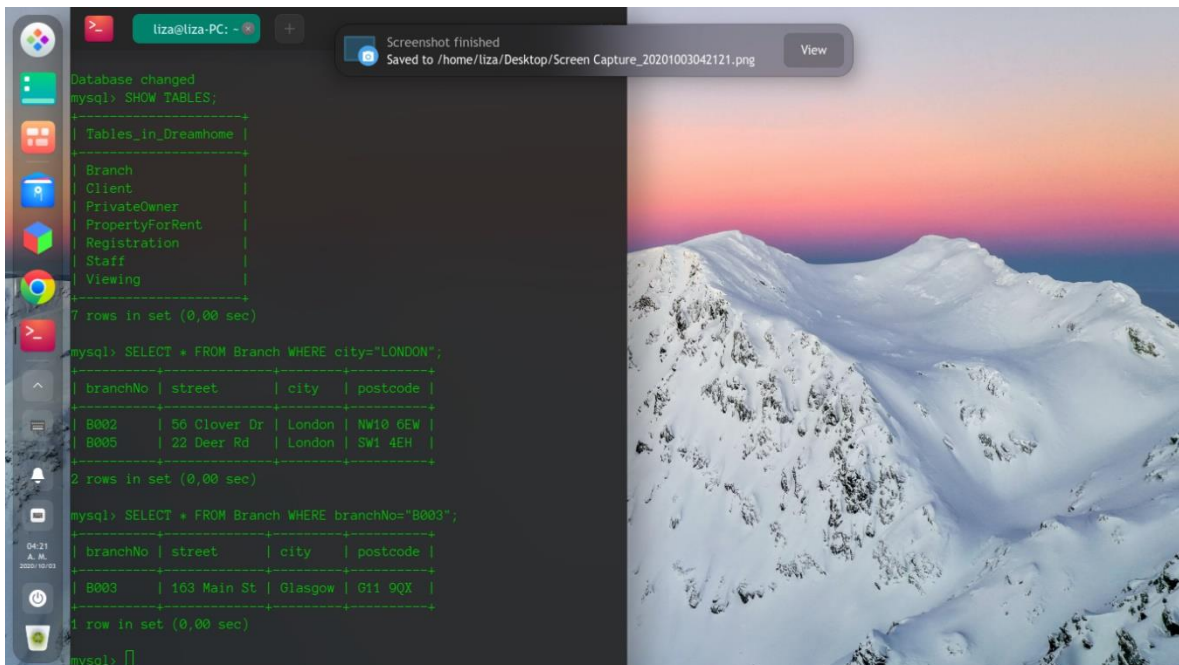
# BD DREAMHOME

## 1. Mostrar las sucursales ubicadas en Londres



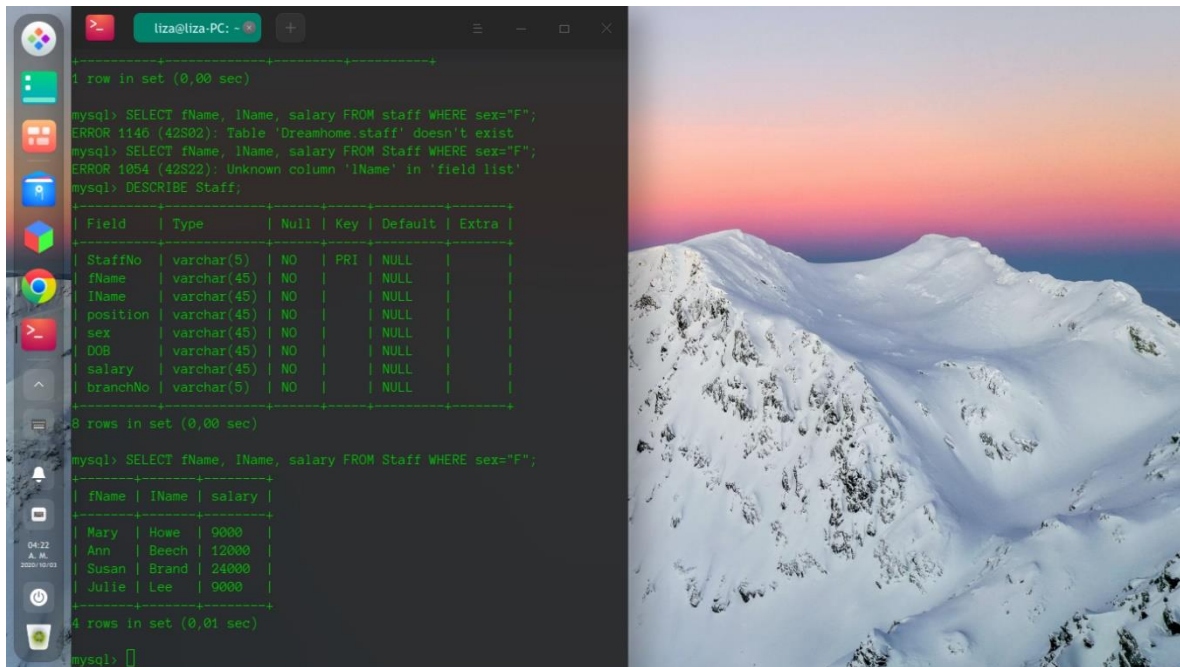
```
liza@liza-PC: ~  
mysql> USE Dreamhome;  
Reading table information for completion of table and column names  
You can turn off this feature to get a quicker startup with -A  
Database changed  
mysql> SHOW TABLES;  
+-----+  
| Tables_in_Dreamhome |  
+-----+  
| Branch               |  
| Client               |  
| 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: ~  
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.

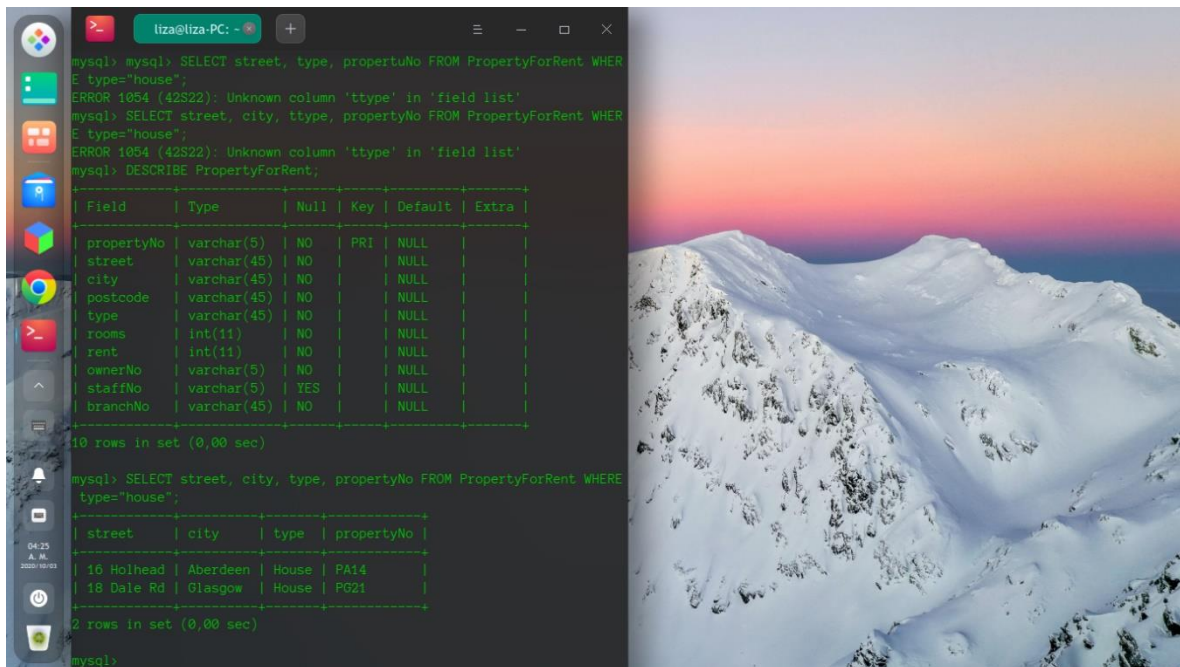


```
mysql> SELECT fName, lName, salary FROM staff WHERE sex="F";
ERROR 1146 (42S02): Table 'Dreamhome.staff' doesn't exist
mysql> SELECT fName, lName, salary FROM Staff WHERE sex="F";
ERROR 1054 (42S22): Unknown column 'lName' in 'field list'
mysql> DESCRIBE Staff;
+-----+-----+-----+-----+-----+-----+
| 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.



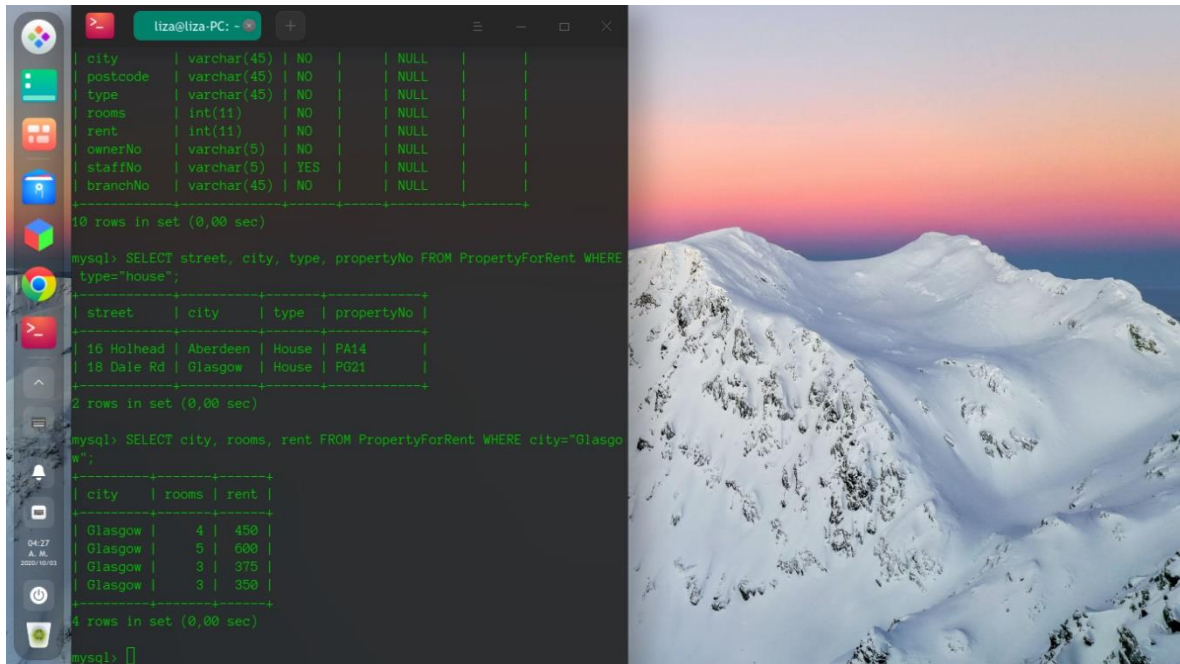
```
mysql> mysql> SELECT street, type, propertyNo FROM PropertyForRent WHERE type="house";
ERROR 1054 (42S22): Unknown column 'ttype' in 'field list'
mysql> SELECT street, city, ttype, propertyNo FROM PropertyForRent WHERE type="house";
ERROR 1054 (42S22): Unknown column 'ttype' in 'field list'
mysql> 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>
```

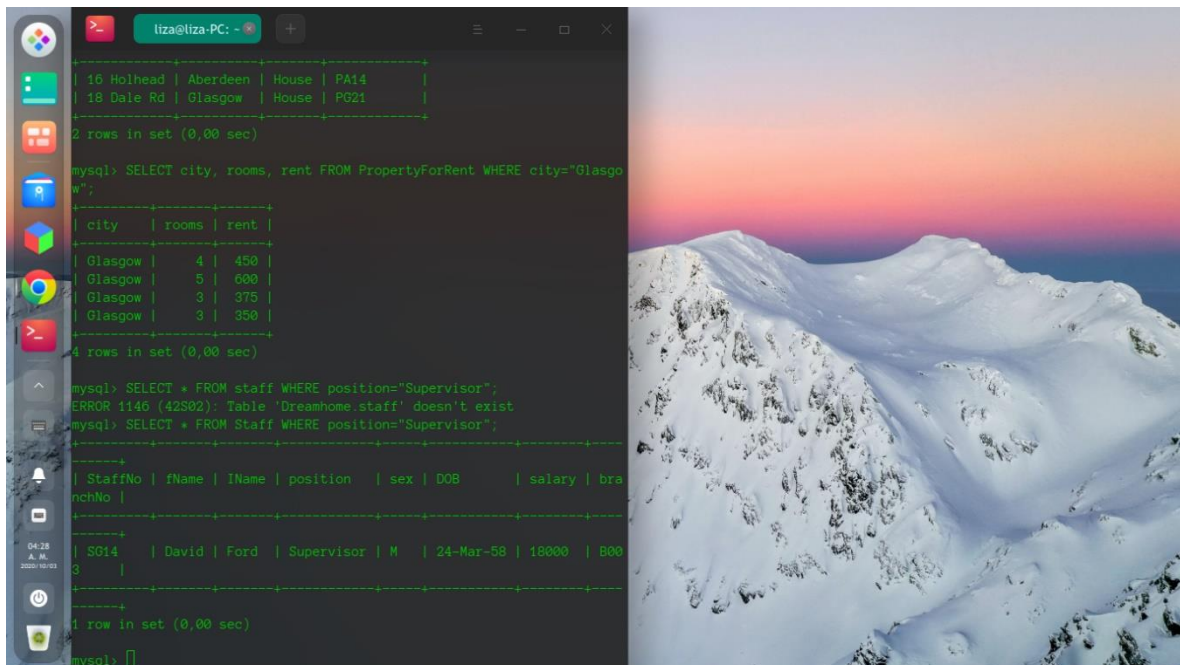


5. Mostrar Ciudad, cantidad de habitaciones y precio de renta de las propiedades ubicadas en Glasgow.



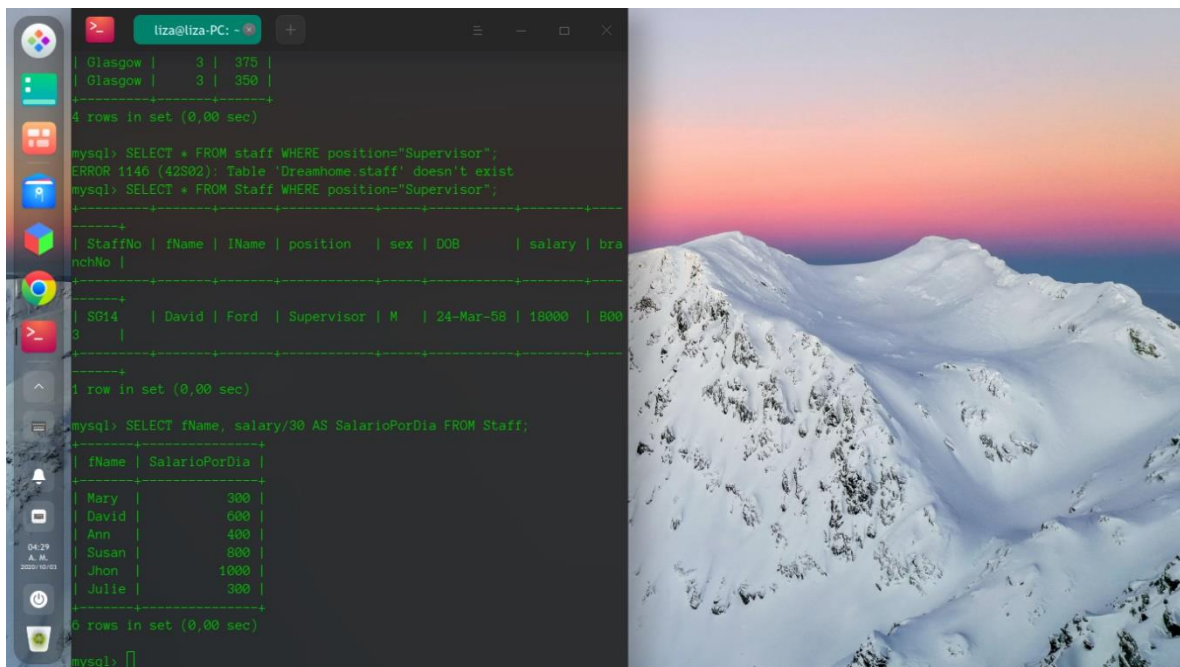
```
liza@liza-PC: ~  
mysql> SELECT city, rooms, rent FROM PropertyForRent WHERE city="Glasgow";  
+-----+-----+-----+  
| city | rooms | rent |  
+-----+-----+-----+  
| Glasgow | 4 | 450 |  
| Glasgow | 5 | 600 |  
| Glasgow | 3 | 375 |  
| Glasgow | 3 | 350 |  
+-----+-----+-----+  
4 rows in set (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 |  
+-----+-----+-----+-----+-----+-----+-----+  
| S014 | David | Ford | Supervisor | M | 24-Mar-58 | 18000 | B003 |  
+-----+-----+-----+-----+-----+-----+-----+  
1 row in set (0,00 sec)  
  
mysql>
```

6. Mostrar todos los empleados que no sean Supervisores.



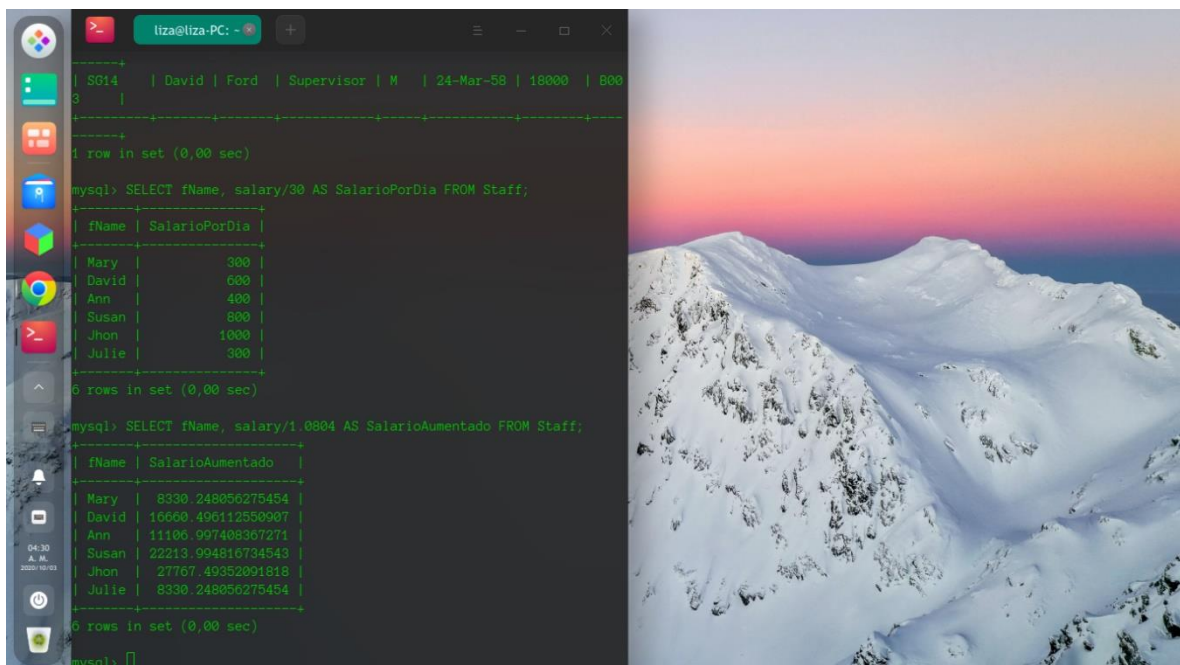
```
liza@liza-PC: ~  
mysql> SELECT street, city, type, propertyNo FROM PropertyForRent WHERE type="house";  
+-----+-----+-----+-----+  
| street | city | type | propertyNo |  
+-----+-----+-----+-----+  
| 16 Holhead | Aberdeen | House | PA14 |  
| 18 Dale Rd | Glasgow | House | PG21 |  
+-----+-----+-----+-----+  
2 rows in set (0,00 sec)  
  
mysql> 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 |  
+-----+-----+-----+-----+-----+-----+-----+  
| S014 | David | Ford | Supervisor | M | 24-Mar-58 | 18000 | B003 |  
+-----+-----+-----+-----+-----+-----+-----+  
1 row in set (0,00 sec)  
  
mysql>
```

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



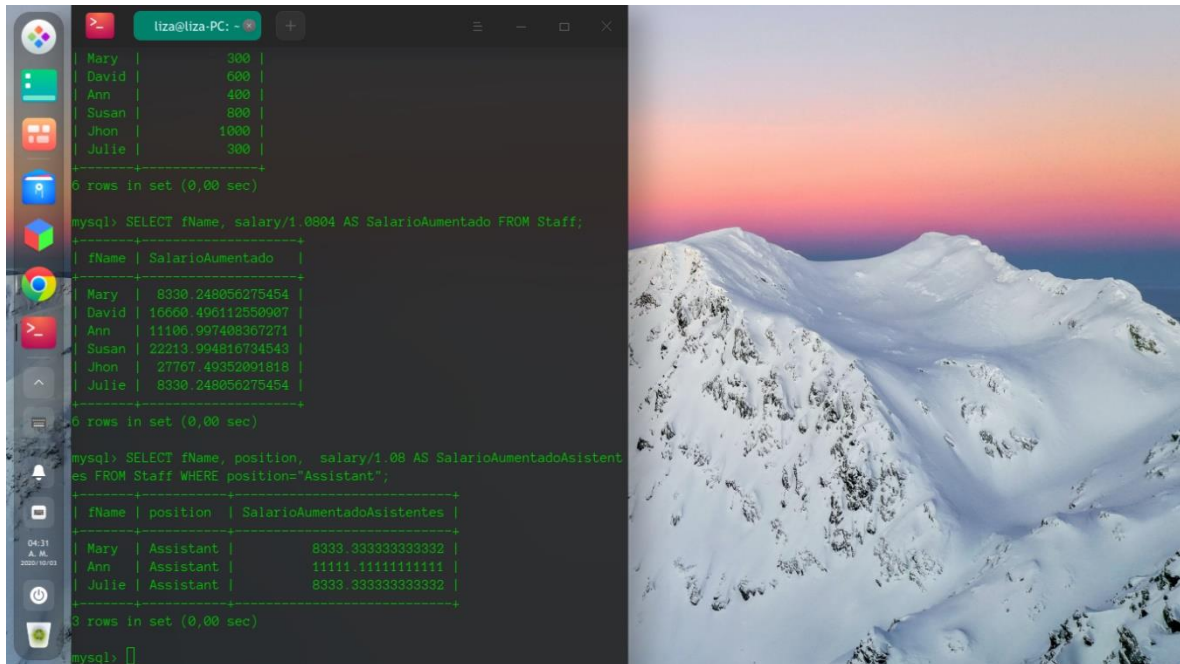
```
liza@liza-PC: ~  
mysql> SELECT * FROM staff WHERE position="Supervisor";  
ERROR 1146 (42S02): Table 'Dreamhome.staff' doesn't exist  
mysql> SELECT * FROM Staff WHERE position="Supervisor";  
+-----+  
| StaffNo | fName | lName | position | sex | DOB       | salary | branchNo |  
+-----+  
| SG14    | David | Ford  | Supervisor | M   | 24-Mar-58 | 18000  | 800      |  
+-----+  
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%.



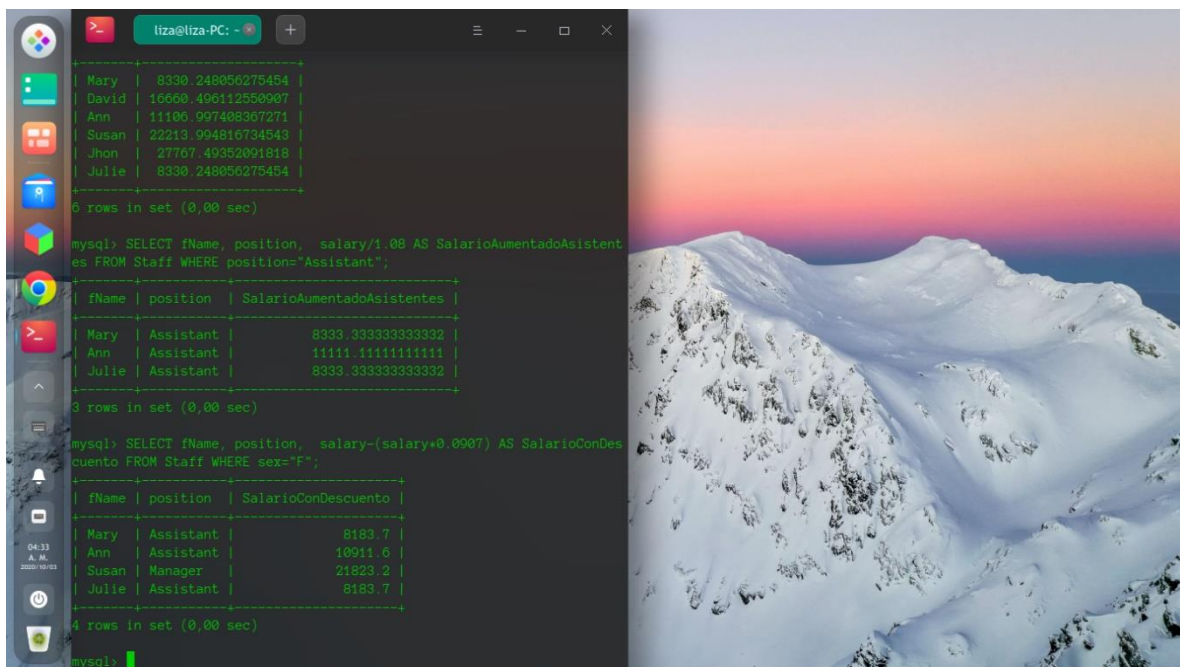
```
liza@liza-PC: ~  
mysql> SELECT fName, salary/30 AS SalarioPorDia FROM Staff;  
+-----+  
| fName | SalarioPorDia |  
+-----+  
| Mary  | 300           |  
| David | 600           |  
| Ann   | 400           |  
| Susan | 800           |  
| Jhon  | 1000          |  
| Julie | 300           |  
+-----+  
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 | 22213.094816734543 |  
| 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%.



```
liza@liza-PC: ~  
mysql> SELECT fName, salary/1.0804 AS SalarioAumentado FROM Staff;  
+-----+-----+  
| fName | SalarioAumentado |  
+-----+-----+  
| Mary | 8330.248056275454 |  
| David | 16660.496112559907 |  
| Ann | 11100.997408367271 |  
| 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%



```
liza@liza-PC: ~  
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 SalarioConDes  
cuento FROM Staff WHERE sex="F";  
+-----+-----+-----+  
| fName | position | SalarioConDescuento |  
+-----+-----+-----+  
| Mary | Assistant | 8183.7 |  
| Ann | Assistant | 10911.6 |  
| Susan | Manager | 21823.2 |  
| Julie | Assistant | 8183.7 |  
+-----+-----+-----+  
4 rows in set (0,00 sec)  
  
mysql>
```