Instituto Tecnológico Superior De Jerez

Carrera:

Ingeniería en Sistemas Computacionales

Nombre:

Osvaldo Abraham de la Torre Ortiz

Numero de Control:

S18070187

Correo Electrónico:

osvaldoadelatorretec@gmail.com

Semestre:

Quinto Semestre

Materia:

Taller de Bases de datos

Actividad:

Ejercicios SQL subconsultas

Docente:

M.T.I. Salvador Acevedo Sandoval

Jerez de García Salinas, a viernes 23 de octubre del 2020

MYSQL

1. Mostrar un listado con los empleados que ganen mas del promedio salarial

```
mysql> SELECT staffNo, fName, lName, position from staff where salary > (select avg(salary) from staff);
+---------+-------+-------+------------+
| staffNo | fName | lName | position   |
+---------+-------+-------+------------+
| SG14    | David | Ford  | Supervisor |
| SG5     | Susan | Brand | Manager    |
| SL21    | John  | White | Manager    |
+---------+-------+-------+------------+
3 rows in set (0.01 sec)

mysql>
```

2. Generar un listado de todos los empleados cuyo salario sea superior al salario promedio, indicando cuál es la diferencia en cada caso con respecto al salario promedio.

```
mysql> SELECT staffNo, fName, lName,salary - count(salary), position from staff where salary > (select avg(salary)
 from staff);
+---------+-------+-------+-----------------------+------------+
| staffNo | fName | lName | salary - count(salary) | position   |
+---------+-------+-------+-----------------------+------------+
| SG14    | David | Ford  |                 17997 | Supervisor |
+---------+-------+-------+-----------------------+------------+
1 row in set (0.01 sec)

mysql>
```

3. Mostrar una lista de los propietarios que tengan mas de dos propiedades

```
mysql> SELECT * from privateowner where ownerNo in
    -> (select ownerNo from properttyforrent group by ownerNo having count(ownerNo) > 1);
+---------+-------+--------+-------------------------------+--------+
| ownerNo | fName | lName  | address                       | telNo  |
+---------+-------+--------+-------------------------------+--------+
| CO87    | Carol | Farrel | 6 Achray St, Glasgow G32 9DX | -7635  |
| CO93    | Tony  | Shaw   | 12 Park Pl, Glasgow G4 0QR   | -7109  |
+---------+-------+--------+-------------------------------+--------+
2 rows in set (0.00 sec)

mysql>
```

4. Mostrar un lista de las propiedades de Glasgow cuya renta sea mayor al promedio

```
mysql> SELECT * from Properttyforrent where rent > (select avg(rent) from ProperttyForRent);
+-------------+--------------+---------+----------+------+-------+------+----------+---------+---------+
| properttyNo | street       | city    | postcode | type | rooms | rent | branchNo | staffNo | ownerNo |
+-------------+--------------+---------+----------+------+-------+------+----------+---------+---------+
| PG36        | 2 Manor Rd   | Glasgow | G324QX   | Flat |     3 |  600 | B003     | SG37    | CO93    |
| PG4         | 6 Lawrence St| Glasgow | G119QX   | Flat |     3 |  650 | B003     | NULL    | CO40    |
+-------------+--------------+---------+----------+------+-------+------+----------+---------+---------+
2 rows in set (0.00 sec)

mysql>
```

5. Generar un listado con los inmuebles gestionados por los empleados que trabajan en la sucursal situada en '22 Deer Rd'

```
mysql> select * from Properttyforrent where branchNo in (select branchNo from branch where street = '22 Deer Rd');

+-------------+------------+--------+----------+------+-------+------+----------+---------+---------+
| properttyNo | street     | city   | postcode | type | rooms | rent | branchNo | staffNo | ownerNo |
+-------------+------------+--------+----------+------+-------+------+----------+---------+---------+
| PL94        | 6 Argyll St | London | NW2      | Flat |     4 |  350 | B005     | SL41    | CO87    |
+-------------+------------+--------+----------+------+-------+------+----------+---------+---------+
1 row in set (0.01 sec)

mysql>
```

6. Mostrar quien gana mas de los asistentes

```
mysql> SELECT * FROM staff where salary = (select max(salary) from staff where position = 'assistant');
+---------+-------+-------+-----------+------+-----------+--------+----------+
| staffNo | fName | lName | position  | sex  | DOB       | salary | branchNo |
+---------+-------+-------+-----------+------+-----------+--------+----------+
| SG37    | Ann   | Beech | Assistant | F    | 10-Nov-60 |  12000 | B003     |
+---------+-------+-------+-----------+------+-----------+--------+----------+
1 row in set (0.00 sec)

mysql>
```

7. Mostrar que puesto gana mas

```
mysql> SELECT position FROM staff where salary = (select max(salary) from staff);
+-----------+
| position  |
+-----------+
| Manager   |
+-----------+
1 row in set (0.00 sec)

mysql>
```

8. Mostrar que puesto gana menos

```
mysql> SELECT position FROM staff where salary = (select min(salary) from staff) group by position;
+------------+
| position   |
+------------+
| Assistant  |
+------------+
1 row in set (0.00 sec)

mysql>
```

SQLITE

1. Mostrar un listado con los empleados que ganen más del promedio salarial

```
sqlite> SELECT staffNo, fName, lName, position from staff where salary > (select avg(salary) from staff);
staffNo  fName  lName  position
-------  -----  -----  ----------
SL21     John   White  Manager
SG14     David  Ford   Supervisor
SG5      Susan  Brand  Manager
sqlite>
```

2. Generar un listado de todos los empleados cuyo salario sea superior al salario promedio, indicando cuál es la diferencia en cada caso con respecto al salario promedio.

```
sqlite> SELECT staffNo, fName, lName,salary - count(salary), position from staff where salary > (select avg(sal
ary) from staff);
staffNo  fName  lName  salary - count(salary)  position
-------  -----  -----  ----------------------  --------
SL21     John   White  29997                   Manager
sqlite>
```

3. Mostrar una lista de los propietarios que tengan más de dos propiedades

```
sqlite> SELECT * from privateowner where ownerNo in
   ...> (select ownerNo from properttyforrent group by ownerNo having count(ownerNo) > 1);
ownerNo  fName  lName   address                     telNo
-------  -----  ------  --------------------------  -----
CO87     Carol  Farrel  6 Achray St, Glasgow G32 9DX  -7635
CO93     Tony   Shaw    12 Park Pl, Glasgow G4 0QR    -7109
sqlite>
```

4. Mostrar un lista de las propiedades de Glasgow cuya renta sea mayor al promedio

```
sqlite> SELECT * from Properttyforrent where rent > (select avg(rent) from ProperttyForRent);
properttyNo  street         city     postcode  type  rooms  rent  branchNo  staffNo  ownerNo
-----------  -------------  -------  --------  ----  -----  ----  --------  -------  -------
PG4          6 Lawrence St  Glasgow  G119QX    Flat  3      650   B003                CO40
PG36         2 Manor Rd     Glasgow  G324QX    Flat  3      600   B003      SG37      CO93
sqlite>
```

5. Generar un listado con los inmuebles gestionados por los empleados que trabajan en la sucursal situada en '22 Deer Rd'

```
sqlite> select * from Properttyforrent where branchNo in (select branchNo from branch where street = '22 Deer R
d');
properttyNo  street       city    postcode  type  rooms  rent  branchNo  staffNo  ownerNo
-----------  -----------  ------  --------  ----  -----  ----  --------  -------  -------
PL94         6 Argyll St  London  NW2       Flat  4      350   B005      SL41     CO87
sqlite>
```

6. Mostrar quien gana más de los asistentes

7. Mostrar que puesto gana mas

```
sqlite> SELECT position FROM staff where salary = (select max(salary) from staff);
position
--------
Manager
sqlite>
```

8. Mostrar que puesto gana menos

```
sqlite> SELECT position FROM staff where salary = (select min(salary) from staff) group by position;
position
----------
Assistant
Assistant
sqlite>
```