

Instituto Tecnológico Superior de Jerez.



Jerez de García Salinas a 04 de Octubre del 2019.

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S17070157.

INGENIERÍA EN SISTEMAS COMPUTACIONALES.

Taller de Base de Datos.

5to. SEMESTRE.

Subconsultas.

ISC. Salvador Acevedo Sandoval.

```

C:\WINDOWS\system32\cmd.exe - mysql -u root -p
Microsoft Windows [Versión 10.0.18362.356]
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C:\Users\casas>mysql -u root -p
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 16
Server version: 8.0.17 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> USE bd_dreamhome;
Database changed
mysql>

```

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

```

mysql> SELECT fName, lName, Salary FROM Staff WHERE Salary > (SELECT AVG(Salary) FROM Staff);
+-----+-----+-----+
| fName | lName | Salary |
+-----+-----+-----+
| David | Ford  | 18000.00 |
| Susan | Brand | 24000.00 |
| John  | White | 30000.00 |
+-----+-----+-----+
3 rows in set (0.00 sec)

```

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 fName, lName, Salary, (Salary - (SELECT AVG(Salary) FROM Staff)) AS Diferencia FROM Staff WHERE Salary > (SELECT AVG(Salary) FROM Staff);
+-----+-----+-----+-----+
| fName | lName | Salary | Diferencia |
+-----+-----+-----+-----+
| David | Ford  | 18000.00 | 1000.000000 |
| Susan | Brand | 24000.00 | 7000.000000 |
| John  | White | 30000.00 | 13000.000000 |
+-----+-----+-----+-----+
3 rows in set (0.02 sec)

```

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

```
mysql> SELECT OwnerNo, COUNT(PropertyNo) AS Total_Propiedades FROM PropertyForRent GROUP BY OwnerNo HAVING COUNT(PropertyNo) > 1;
+-----+-----+
| OwnerNo | Total_Propiedades |
+-----+-----+
| C087    | 2                 |
| C093    | 2                 |
+-----+-----+
2 rows in set (0.00 sec)
```

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

```
mysql> SELECT * FROM PropertyForRent WHERE City = 'Glasgow' AND Rent > (SELECT AVG(Rent) FROM PropertyForRent);
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| propertyNo | Street   | City   | PostCode | Type  | Rooms | Rent   | ownerNo | staffNo | branchNo |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| PG21       | 18 Dale Rd | Glasgow | G12      | House | 5      | 600.00 | C087    | SG37    | B003     |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)
```

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

```
mysql> SELECT * FROM PropertyForRent WHERE BranchNo = (SELECT BranchNo FROM Branch WHERE Street = '22 Deer RD');
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| propertyNo | Street   | City   | PostCode | Type  | Rooms | Rent   | ownerNo | staffNo | branchNo |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| PL94       | 6 Argyll St | London | NW2      | Flat  | 4      | 400.00 | C087    | SL41    | B005     |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.11 sec)
```

6. Mostrar quien gana más de los asistentes.

```
mysql> SELECT fName lName, Salary FROM Staff WHERE Salary = (SELECT MAX(Salary) FROM Staff WHERE Position = 'Assistant');
+-----+-----+
| fName | lName | Salary |
+-----+-----+
| Ann   |       | 12000.00 |
+-----+-----+
1 row in set (0.00 sec)
```