



TECNOLÓGICO  
NACIONAL DE MÉXICO



# Instituto Tecnológico Superior de Jerez – ITSJ

Estudiante: Miguel Angel Bazán garduño.

[mabg211299@hotmail.com](mailto:mabg211299@hotmail.com)

5to Semestre Carrera: Ingeniería en sistemas  
computacionales (ISC).

Materia: Taller de Base De Datos.

Actividad: Consultas DreamHome MySQL y SQL  
Server.

Docente: I.S.C. Salvador Acevedo Sandoval

Jerez de García Salinas Zacatecas

## Consultas MySQL

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

SELECT branchNo, fname, lname, salary FROM staff WHERE salary IN( SELECT salary FROM staff WHERE salary > (SELECT AVG(salary) FROM staff));

```
mysql> SELECT branchNo, fname, lname, salary FROM staff WHERE salary IN( SELECT salary FROM staff WHERE salary > (SELECT AVG(salary) FROM staff));
```

branchNo	fname	lname	salary
B003	David	Ford	18000
B003	Susan	Brand	24000
B005	John	White	30000

3 rows in set (0.24 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.

SELECT staffNo, fName, lName, salary - count(salary), position from staff where salary > (select avg(salary) from staff);

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

SELECT \* from privateowner where ownarno in (select ownarno from propertyforrent group by ownarno having count(ownarno) > 1);

```
mysql> SELECT * from privateowner where ownarno in (select ownarno from propertyforrent group by ownarno having count(ownarno) > 1);
```

ownerNo	fName	lName	address	telNo
C087	Carol	Farnel	6 Archray St, Glasgow G32 9DX	1413577419
C093	Tony	Shaw	12 Park Pl, Glasgow G4 0QR	1412257025

2 rows in set (0.21 sec)

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

SELECT \* from Propertyforrent where rent > (select avg(rent) from PropertyForRent);

```
mysql> SELECT * from Propertyforrent where rent > (select avg(rent) from PropertyForRent);
```

propertyNo	street	city	postcode	type	rooms	rent	ownerNo	staffNo	branchNo
PA14	16 Holhead	Aberdeen	AB7 5SU	House	6	650	C046	SA9	B007
PG21	18 Dale Rd	Glasgow	G12	House	5	600	C087	SG37	B003

2 rows 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'

SELECT \* FROM Propertyforrent where branchNo in (select branchNo from branch where street = '22 Deer Rd');

```
mysql> SELECT * FROM Propertyforrent where branchNo in (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	C087	SL41	B005

1 row in set (0.02 sec)

6) Mostrar quien gana mas de los asistentes

SELECT \* FROM staff where salary = (select max(salary) from staff where position = 'assistant');

```
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 (0.10 sec)
```

7) Mostrar que puesto gana más

SELECT position FROM staff where salary = (select max(salary) from staff);

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

8) Mostrar que puesto gana menos

SELECT position FROM staff where salary = (select min(salary) from staff) group by position;

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

## Consultas SQL Server

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

```
SELECT staffNo, fName, lName, position from staff where salary > (select avg(salary) from staff)
```

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.

```
SELECT staffNo, fName, lName, salary - count(salary), position from staff where salary > (select avg(salary) from staff)
```

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

```
SELECT * from privateowner where ownarno in (select ownarno from propertyforrent group by ownarno having count(ownarno) > 1)
```

```
1> SELECT * from privateowner where ownarno in (select ownarno from propertyforrent group by ownarno having count(ownarno) > 1)
2> go
ownarNo fName          lName          address                                     telNo
-----
C087    Carol              Farrel         6 Archray St, Glasgow G32 9DX           1413577419
C093    Tony              Shaw           12 Park Pl, Glasgow G4 0QR              1412257025
(2 rows affected)
```

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

```
SELECT * from Propertyforrent where rent > (select avg(rent) from PropertyForRent)
```

```
1> SELECT * from Propertyforrent where rent > (select avg(rent) from PropertyForRent)
2> go
propertyNo street          city          postcode type          rooms rent  ownarNo staffNo branchNo
-----
PA14      16 Holhead         Aberdeen     AB7 5SU   House          6   650 C046  SA9   B007
PG21      18 Dale Rd         Glasgow      G12       House          5   600 C087  SG37  B003
(2 rows affected)
```

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

```
SELECT * FROM Propertyforrent where branchNo in (select branchNo from branch where street = '22 Deer Rd')
```

```
1> SELECT * FROM Propertyforrent where branchNo in (select branchNo from branch where street = '22 Deer Rd')
2> go
propertyNo street          city          postcode type          rooms rent  ownarNo staffNo branchNo
-----
PL94      6 Argyll St        London        NW2       Flat           4   400 C087  SL41  B005
(1 rows affected)
```

6) Mostrar quien gana mas de los asistentes

```
SELECT * FROM staff where salary = (select max(salary) from staff where position = 'assistant')
```

```
Incorrect syntax near 'position'.
1> SELECT * FROM staff where salary = (select max(salary) from staff where position = "assistant")
2> go
staffNo fName          lName          position          sex DOB          salary branchNo
-----
SG37    Ann              Beech          Assistant         F   10-Nov-60       12000 B003
(1 rows affected)
```

7) Mostrar que puesto gana mas

SELECT position FROM staff where salary = (select max(salary) from staff)

```
1> SELECT position FROM staff where salary = (select max(salary) from staff)
2> go
position
-----
Manager
(1 rows affected)
1>
```

8) Mostrar que puesto gana menos

SELECT position FROM staff where salary = (select min(salary) from staff) group by position

```
invalid column name 'position' :
1> SELECT position FROM staff where salary = (select min(salary) from staff) group by position
2> go
position
-----
Assistant
(1 rows affected)
1>
```