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## INSTITUTO TECNOLÓGICO SUPERIOR DE JEREZ

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04 de octubre del 2019. Jerez, Zac  
Ingeniería en sistemas computacionales

Semestre: 5

Unidad 2: lenguaje de manipulación de datos

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Actividad: Subconsultas

Taller de bases de datos

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

```
mysql> SELECT * FROM Staff WHERE Salary > (SELECT AVG(Salary) FROM Staff);
```

StaffNo	fName	lName	position	sex	DOB	Salary	FK_BranchNo
SG14	David	Ford	Supervisor	M	24-Mar-58	18000	B003
SG5	Susan	Brand	Manager	F	3-Jun-40	24000	B003
SL21	Jhon	white	Manager	M	1-oct-45	30000	B005

3 rows in set (0.00 sec)

```
db2 => SELECT * FROM Staff WHERE Salary > (SELECT AVG(Salary) FROM Staff)
```

STAFFNO	FNAME	INAME	POSITION	SEX	DOB	SALARY	BRANCHNO
SL21	John	White	Manager	M	1-Oct-45	30000	B005
SG14	David	Ford	Supervisor	M	24-Mar-58	18000	B003
SG5	Susan	Brand	Manager	F	3-Jun-40	24000	B003

3 registro(s) seleccionado(s).

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-17000 FROM Staff WHERE Salary > (SELECT AVG(Salary) FROM Staff);
```

fName	lName	Salary-17000
David	Ford	1000
Susan	Brand	7000
Jhon	white	13000

3 rows in set (0.00 sec)

FNAME	INAME	
John	White	13000
David	Ford	1000
Susan	Brand	7000

3 registro(s) seleccionado(s).

3) mostrar una lista de los propietarios que tengan más de dos propiedades

```
mysql> SELECT * FROM PrivateOwner WHERE OwnerNo IN (SELECT OwnerNo FROM PropertyForRent GROUP BY OwnerNo HAVING COUNT(OwnerNo)>1);
```

OwnerNo	fName	lName	adress	telNo
Co40	Tina	Murphy	63 wll st, Glasgow G42	0141-943-1728
Co46	joe	Keogh	2 fergus dy, aberdeen Ab2 75X	01224-861212
Co87	Carol	Farrel	6 achray St, GlasGow G32 9DX	0141-357-7419
Co93	tony	shaw	12 park pl, Glasgow G4 0QR	0141-225-7025

4 rows in set (0.12 sec)

```
db2 => SELECT * FROM PrivateOwner WHERE OwnerNo IN (SELECT OwnerNo FROM PropertyForRent GROUP BY OwnerNo HAVING COUNT (OwnerNo)>1)
```

OWNERNO	FNAME	INAME	ADRESS	TELNO
CO87	Carol	Farrel	6 Achray St,Glasgow G32 9DX	0141-357-7419
CO93	Tony	Shaw	12 Park PI,Glasgow G4 0QR	0141-225-7025

2 registro(s) seleccionado(s).

4) mostrar una lista de las propiedades de Glasgow cuya renta sea mayor al promedio

```
mysql> SELECT PropertyNo FROM PropertyForRent WHERE Rent>(SELECT AVG(Rent) FROM PropertyForRent) AND FK_BranchNo='B003';
```

PropertyNo
PG21

1 row in set (0.15 sec)

ERROR:  
No query specified

```
db2 => SELECT PropertyNo FROM PropertyForRent WHERE Rent>(SELECT AVG(Rent) FROM PropertyForRent) AND BranchNo='B003'
```

PROPERTYNO
PG21

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(SELECT FK_BranchNo='B005');
```

PropertyNo	street	city	postcode	type	rooms	rent	FK_ownerNo	FK_staffNo	FK_branchNo
PL94	6 Argyll St	London	NW2	FLAT	4	400	CO87	SL41	B005

1 row in set (0.00 sec)

```
db2 => SELECT * FROM PropertyForRent WHERE BranchNo='B005'
```

PROPERTYNO	STREET	ROOMS	RENT	OWNERNO	STAFFNO	BRANCHNO	CITY	POSTCODE
PL94	6 Argyll St	4	400	C087	SL41	B005	London	NW2

1 registro(s) seleccionado(s).

6) Mostrar quien gana más de los asistentes

```
mysql> SELECT fName, lName, MAX(Salary) FROM Staff;
```

fName	lName	MAX(Salary)
Mary	Howe	30000

1 row in set (0.00 sec)

```
db2 => SELECT MAX(Salary) FROM Staff
```

30000
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1 registro(s) seleccionado(s).