



INSTITUTO TECNOLÓGICO SUPERIOR DE JEREZ

Jerez de García Salinas

4 de Octubre del 2019

“Ingeniería en Sistemas Computacionales”

Materia: Taller de Base de Datos

Quinto Semestre

Actividad 5: “Subconsultas MySQL”



TECNOLÓGICO
NACIONAL DE MÉXICO

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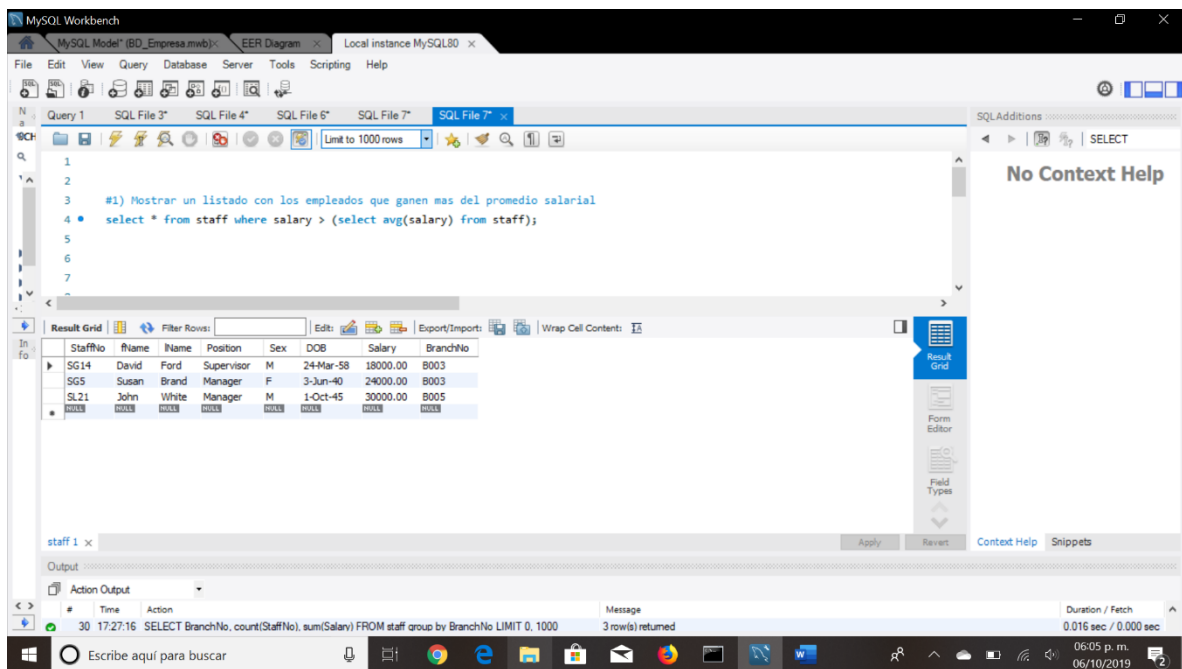
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Realizar las siguientes consultas



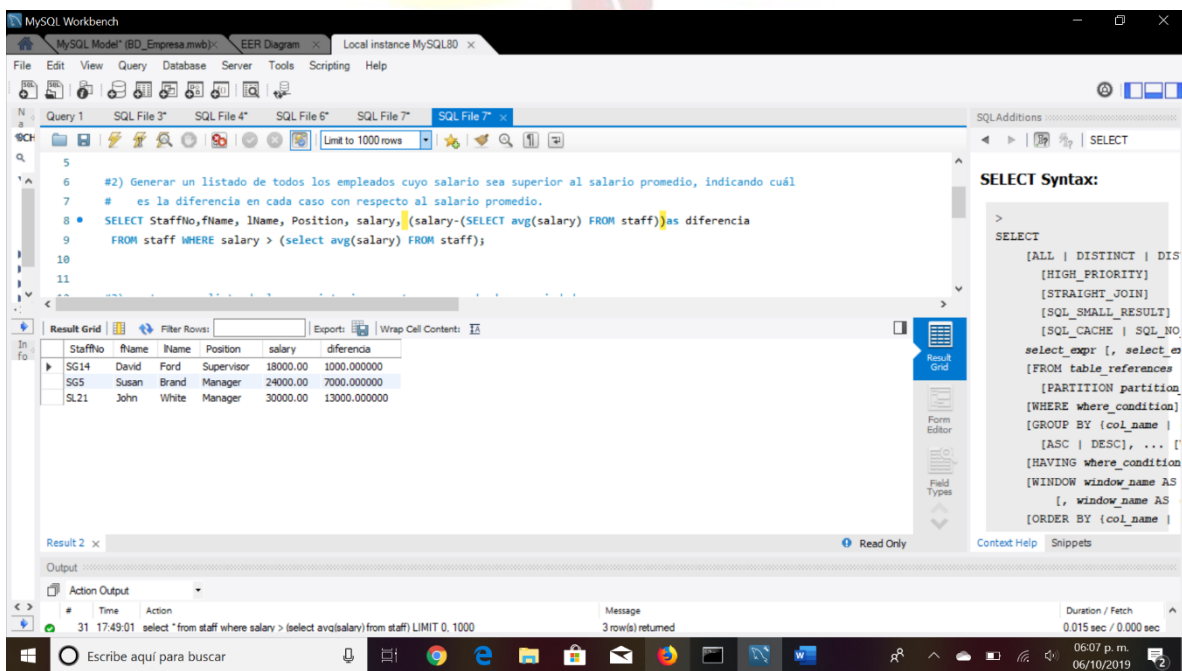
The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL code:

```
1
2
3 #1) Mostrar un listado con los empleados que ganen mas del promedio salarial
4 select * from staff where salary > (select avg(salary) from staff);
5
6
7
```

The result grid displays the following data:

StaffNo	fName	iName	Position	Sex	DOB	Salary	BranchNo
SG14	David	Ford	Supervisor	M	24-Mar-58	18000.00	B003
SG5	Susan	Brand	Manager	F	3-Jun-40	24000.00	B003
SL21	John	White	Manager	M	1-Oct-45	30000.00	B005
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

The status bar at the bottom indicates: 30 17:27:16 SELECT BranchNo, count(StaffNo), sum(Salary) FROM staff group by BranchNo LIMIT 0, 1000. Message: 3 rows returned. Duration / Fetch: 0.016 sec / 0.000 sec.



The screenshot shows the MySQL Workbench interface. The query editor contains the following SQL code:

```
5
6 #2) Generar un listado de todos los empleados cuyo salario sea superior al salario promedio, indicando cuál
7 # es la diferencia en cada caso con respecto al salario promedio.
8 select StaffNo, fName, iName, Position, salary, (salary - (select avg(salary) from staff)) as diferencia
9 from staff where salary > (select avg(salary) from staff);
10
11
```

The result grid displays the following data:

StaffNo	fName	iName	Position	salary	diferencia
SG14	David	Ford	Supervisor	18000.00	1000.000000
SG5	Susan	Brand	Manager	24000.00	7000.000000
SL21	John	White	Manager	30000.00	13000.000000

The status bar at the bottom indicates: 31 17:49:01 select * from staff where salary > (select avg(salary) from staff) LIMIT 0, 1000. Message: 3 rows returned. Duration / Fetch: 0.015 sec / 0.000 sec.

MySQL Workbench

MySQL Model (BD_Empresa.mwb) | EER Diagram | Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Query 1 SQL File 3* SQL File 4* SQL File 6* SQL File 7* SQL File 7* SQL File 7*

Limit to 1000 rows

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

```
SELECT * FROM privateowner where ownerNo in(select ownerNo FROM propertyforrent group by ownerNo having count(ownerNo)>1);
```

Result Grid

ownerNo	#Name	IName	address	telNo
CO87	Carol	Farral	6 Achray St, Glasgow G0X	0141-357-7419
CO93	Tony	Shaw	12 Park Pl, Glasgow G4 0QR	0141-225-7025

privateowner 3 x

Output

Action Output

Message

Duration / Fetch

32 18:07:43 SELECT StaffNo,Name,IName,Position,salary,(SELECT avg(salary) FROM staff)as diferenci... 3 rows) returned 0.016 sec / 0.000 sec

06:09 p. m. 06/10/2019

MySQL Workbench

MySQL Model (BD_Empresa.mwb) | EER Diagram | Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Query 1 SQL File 3* SQL File 4* SQL File 6* SQL File 7* SQL File 7* SQL File 7*

Limit to 1000 rows

#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) and city="Glasgow";
```

Result Grid

propertyNo	Street	City	PostCode	Type	Rooms	Rent	ownerNo	staffNo	branchNo
PG21	18 Dale Rd	Glasgow	G12	House	5	600.00	CO87	SG37	8003

propertyforrent 5 x

Output

Action Output

Message

Duration / Fetch

34 18:09:58 select *from propertyforrent where Rent > (select avg(Rent) from propertyforrent) and city="Glasgow" ... 1 row(s) returned 0.000 sec / 0.000 sec

06:10 p. m. 06/10/2019

MySQL Workbench

MySQL Model (BD_Empresa.mwb) | EER Diagram | Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Query 1 SQL File 3* SQL File 4* SQL File 5* SQL File 7* SQL File 7* x

Limit to 1000 rows

17
18 #5) Generar un listado con los inmuebles gestionados por los empleados que trabajan en la sucursal situada
19 # en '22 Deer Rd'
20 • SELECT * FROM PropertyForRent where staffNo IN
21 (SELECT staffNo FROM PropertyForRent where branchNo = "B005");
22
23

Result Grid

propertyNo	Street	City	PostCode	Type	Rooms	Rent	ownerNo	staffNo	branchNo
PL94	6 Argyl St	London	NW2	Flat	4	400.00	C067	SL41	B005

PropertyForRent x

Output

Action Output

36 18:11:22 SELECT * FROM PropertyForRent Where staffNo IN (SELECT staffNo FROM PropertyForRent where... 1 row(s) returned

Duration / Fetch 0.016 sec / 0.000 sec

06:11 p. m. 06/10/2019

MySQL Workbench

MySQL Model (BD_Empresa.mwb) | EER Diagram | Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Query 1 SQL File 3* SQL File 4* SQL File 5* SQL File 7* SQL File 7* x

Limit to 1000 rows

22
23
24 #6) Mostrar quien gana mas de los asistentes
25 • SELECT staffNo,fname,lname,salary FROM Staff WHERE
26 salary = (SELECT MAX(salary)FROM Staff where position = 'Assistant');
27
28

Result Grid

staffNo	fname	lname	salary
SG37	Ann	Beech	12000.00

Staff 8 x

Output

Action Output

37 18:11:34 SELECT * FROM PropertyForRent Where staffNo IN (SELECT staffNo FROM PropertyForRent where... 1 row(s) returned

Duration / Fetch 0.016 sec / 0.000 sec

06:13 p. m. 06/10/2019

SELECT Syntax:

```

>
SELECT
[ALL | DISTINCT | DIS
[HIGH_PRIORITY]
[STRAIGHT_JOIN]
[SQL_SMALL_RESULT]
[SQL_CACHE | SQL_NO
select_expr [, select_ex
[FROM table_references
[PARTITION partition
[WHERE where_condition]
[GROUP BY (col_name |
[ASC | DESC], ... [
[HAVING where_condition
[WINDOW window_name AS
[, window_name AS
[ORDER BY (col_name |

```