Instituto Tecnológico Superior De Jerez

Carrera:

Ingeniería en Sistemas Computacionales

Nombre:

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Semestre:

Séptimo Semestre

Materia:

Taller de Bases de datos

Actividad:

Actividad 5 Subconsultas

Docente:

Salvador Acevedo Sandoval

Jerez de García Salinas, a viernes 8 de octubre del 2021

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

MYSQL

```
mysql> SELECT * from staff where salary > (SELECT AVG(salary) from staff);
+---------+--------+--------+------------+-----+---------------------+--------+----------+
| staffNo | fName  | lName  | position   | sex | Dob                 | salary | branchNo |
+---------+--------+--------+------------+-----+---------------------+--------+----------+
| SG14    | David  | Ford   | Supervisor | M   | 2021-09-17 12:40:29 | 18000  | B003     |
| SG5     | Susan  | Brand  | Manager    | F   | 2021-09-17 12:40:29 | 24000  | B003     |
| SL21    | John   | White  | Manager    | M   | 2021-09-17 12:40:29 | 30000  | B005     |
+---------+--------+--------+------------+-----+---------------------+--------+----------+
3 rows in set (0.07 sec)
```

SQLSERVER

```
1> SELECT * from staff where salary > (SELECT AVG(salary) from staff);
2> go
staffNo    fName      lName      position    sex Dob                 salary      branchNo
---------- ---------- ---------- ----------- --- ---------------- ----------- ----------
SG14       David      Ford       Supervisor  M                NULL       18000 B003
SG5        Susan      Brand      Manager     F                NULL       24000 B003
SL21       John       White      Manager     M                NULL       30000 B005

(3 rows affected)
```

#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

```
mysql> SELECT *, salary -(SELECT AVG(salary) from staff) AS diferencia from staff where salary > (SELECT AVG(salary)
 from staff);
+---------+--------+--------+------------+-----+---------------------+--------+----------+------------+
| staffNo | fName  | lName  | position   | sex | Dob                 | salary | branchNo | diferencia |
+---------+--------+--------+------------+-----+---------------------+--------+----------+------------+
| SG14    | David  | Ford   | Supervisor | M   | 2021-09-17 12:40:29 | 18000  | B003     | 1000.0000  |
| SG5     | Susan  | Brand  | Manager    | F   | 2021-09-17 12:40:29 | 24000  | B003     | 7000.0000  |
| SL21    | John   | White  | Manager    | M   | 2021-09-17 12:40:29 | 30000  | B005     | 13000.0000 |
+---------+--------+--------+------------+-----+---------------------+--------+----------+------------+
3 rows in set (0.00 sec)
```

SQLSERVER

```
1> SELECT *, salary -(SELECT AVG(salary) from staff) AS diferencia from staff where salary > (SELECT AVG(salary) from staff);
2> go
staffNo    fName      lName      position    sex Dob                 salary      branchNo   diferencia
---------- ---------- ---------- ----------- --- ---------------- ----------- ---------- ----------
SG14       David      Ford       Supervisor  M                NULL       18000 B003             1000
SG5        Susan      Brand      Manager     F                NULL       24000 B003             7000
SL21       John       White      Manager     M                NULL       30000 B005            13000
```

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

MYSQL

```
mysql> SELECT * FROM privateOwner WHERE ownerNo IN(SELECT ownerNo from propertyFor
Rent GROUP BY ownerNo HAVING COUNT(ownerNo)>2);
Empty set (0.03 sec)

mysql> _
```

SQLSERVER

```
1> SELECT * FROM privateOwner WHERE ownerNo IN(SELECT ownerNo from propertyForRent GROUP BY ownerNo HAVING COUNT(ownerNo)>2);
2> go
ownerNo    fName      lName      address                        telNo
---------  ---------  ---------  -----------------------------  --------------------

(0 rows affected)
1>
```

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

MYSQL

```
mysql> SELECT propertyNo, city, rent from propertyForRent where rent>(SELECT AVG(r
ent) from propertyForRent) AND city='Glasgow';
+------------+---------+------+
| propertyNo | city    | rent |
+------------+---------+------+
| PG21       | Glasgow |  600 |
+------------+---------+------+
1 row in set (0.00 sec)
```

SQLSERVER

```
1> SELECT propertyNo, city, rent from propertyForRent where rent>(SELECT AVG(rent) from propertyForRent) AND city='Glasgow';
2> go
propertyNo city       rent
---------- ---------- -----------
PG21       Glasgow            600

(1 rows affected)
```

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

MYSQL

```
mysql> SELECT * FROM staff WHERE branchNo = (SELECT branchNo FROM branch WHERE street='22 Deer
Rd');
+---------+-------+-------+-----------+-----+---------------------+--------+----------+
| staffNo | fName | lName | position  | sex | Dob                 | salary | branchNo |
+---------+-------+-------+-----------+-----+---------------------+--------+----------+
| SL21    | John  | White | Manager   | M   | 2021-09-17 12:40:29 |  30000 | B005     |
| SL41    | Julie | Lee   | Assistant | F   | 2021-09-17 12:40:29 |   9000 | B005     |
+---------+-------+-------+-----------+-----+---------------------+--------+----------+
2 rows in set (0.01 sec)
```

SQLSERVER

```
1> SELECT * FROM staff WHERE branchNo = (SELECT branchNo FROM branch WHERE street='22 Deer Rd');
2> go
staffNo    fName      lName      position   sex Dob                 salary      branchNo
---------- ---------- ---------- ---------- --- ----------------- ----------- ----------
SL21       John       White      Manager    M                        NULL       30000 B005
SL41       Julie      Lee        Assistant  F                        NULL        9000 B005

(2 rows affected)
1>
```

#6) Mostrar quien gana mas de los asistentes

MYSQL

```
mysql> SELECT fName, IName,salary, position FROM staff WHERE salary=(SELECT MAX(salary)from sta
ff where position='assistant');
+--------+--------+---------+-----------+
| fName  | IName  | salary  | position  |
+--------+--------+---------+-----------+
| Ann    | Beech  |  12000  | Assistant |
+--------+--------+---------+-----------+
1 row in set (0.00 sec)
```

SQLSERVER

```
1> SELECT fName, IName,salary, position FROM staff WHERE salary=(SELECT MAX(salary)from staff where position='assistant');
2> go
fName       IName       salary      position
----------  ----------  ----------  ----------
Ann         Beech           12000 Assistant

(1 rows affected)
```

#7) Mostrar que puesto gana mas

MYSQL

```
mysql> SELECT salary, position from staff where salary=(SELECT MAX(salary) FROM staff);
+---------+-----------+
| salary  | position  |
+---------+-----------+
|  30000  | Manager   |
+---------+-----------+
1 row in set (0.00 sec)

mysql>
```

SQLSERVER

```
1> SELECT salary, position from staff where salary=(SELECT MAX(salary) FROM staff);
2> go
salary      position
----------  ----------
     30000 Manager

(1 rows affected)
1>
```

#8) Mostrar que puesto gana menos

MYSQL

```
mysql> SELECT salary, position from staff where salary=(SELECT MAX(salary) FROM staff) GROUP BY
 position;
+---------+-----------+
| salary  | position  |
+---------+-----------+
|  30000  | Manager   |
+---------+-----------+
1 row in set (0.00 sec)

mysql>
```

SQLSERVER

```
1> SELECT salary, position from staff where salary=(SELECT MAX(salary) FROM staff);
2> go
salary      position
----------- ----------
      30000 Manager

(1 rows affected)
1>
```