INSTITUTO TECNOLÓGICO SUPERIOR DE JEREZ

INGENIERÍA EN SISTEMAS COMPUTACIONALES

TALLER DE BASES DE DATOS

9° SEMESTRE

I.S.C. SALVADOR ACEVEDO SANDOVAL

"EJERCICIOS SQL [SUBCONSULTAS]"

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JEREZ ZACATECAS

22 DE OCTUBRE DEL 2020

```
mysql> SELECT *
    -> FROM Staff
    -> WHERE Salary > (SELECT AVG(Salary) FROM Staff);
+---------+---------+---------+------------+-----+------------+---------+----------+
| staffNo | fName   | lName   | position   | sex | DOB        | salary  | branchNo |
+---------+---------+---------+------------+-----+------------+---------+----------+
| SG14    | David   | Ford    | Supervisor | M   | 1958-03-24 | 18000   | B003     |
| SG5     | Susan   | Brand   | Manager    | F   | 1940-06-03 | 24000   | B003     |
| SL21    | Jhon    | White   | Manager    | M   | 1945-10-01 | 30000   | B005     |
+---------+---------+---------+------------+-----+------------+---------+----------+
3 rows in set (0.00 sec)
```

```
mysql> SELECT *
    -> FROM Staff
    -> WHERE Salary > (SELECT AVG(Salary) FROM Staff);
+---------+---------+---------+------------+-----+------------+---------+----------+
| staffNo | fName   | lName   | position   | sex | DOB        | salary  | branchNo |
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| SL21    | Jhon    | White   | Manager    | M   | 1945-10-01 | 30000   | B005     |
+---------+---------+---------+------------+-----+------------+---------+----------+
3 rows in set (0.00 sec)
```

```
mysql> SELECT OwnerNo, COUNT(OwnerNo)
    -> AS Repetidos
    -> FROM PropertyForRent
    -> GROUP BY OwnerNo
    -> HAVING (COUNT(OwnerNo)>1);
+---------+-----------+
| OwnerNo | Repetidos |
+---------+-----------+
| CO87    |         2 |
| CO93    |         2 |
+---------+-----------+
2 rows in set (0.08 sec)
```

```
mysql> SELECT *
    -> FROM PropertyForRent
    -> WHERE Rent > (SELECT AVG(Rent) FROM PropertyForRent);
+------------+------------+----------+----------+-------+-------+------+---------+---------+----------+
| propertyNo | street     | city     | postcode | type  | rooms | rent | ownerNo | staffNo | branchNo |
+------------+------------+----------+----------+-------+-------+------+---------+---------+----------+
| PA14       | 16 Holdead | Aberdeen | AB7 5SU  | House |     6 |  650 | CO46    | SA9     | B007     |
| PG21       | 18 Dale Rd | Glasgow  | G12      | House |     5 |  600 | CO87    | SG37    | B003     |
+------------+------------+----------+----------+-------+-------+------+---------+---------+----------+
2 rows in set (0.00 sec)
```

```
mysql> SELECT *
    -> FROM PropertyForRent
    -> WHERE StaffNo IN (SELECT StaffNo FROM Staff 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 | CO87    | SL41    | B005     |
+------------+-------------+--------+----------+------+-------+------+---------+---------+----------+
1 row in set (0.08 sec)
```

```
mysql> SELECT StaffNo, FName, LName
    -> FROM Staff
    -> WHERE Salary = (SELECT MAX(Salary) FROM Staff WHERE Position = 'Assistant');
+---------+-------+-------+
| StaffNo | FName | LName |
+---------+-------+-------+
| SG37    | Ann   | Beech |
+---------+-------+-------+
1 row in set (0.00 sec)
```

IBM

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

STAFFNO FNAME            LNAME                POSITION             SEX DOB        SALARY        BRANCHNO
------- ---------------- -------------------- -------------------- --- ---------- ------------- --------
SL21    Jhon             White                Manager              M   01/10/1945        30000, B005
SG14    David            Ford                 Supervisor           M   24/03/1958        18000, B003
SG5     Susan            Brand                Manager              F   03/06/1940        24000, B003

  3 registro(s) seleccionado(s).
```

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

STAFFNO FNAME            LNAME                POSITION             SEX DOB        SALARY        BRANCHNO
------- ---------------- -------------------- -------------------- --- ---------- ------------- --------
SL21    Jhon             White                Manager              M   01/10/1945        30000, B005
SG14    David            Ford                 Supervisor           M   24/03/1958        18000, B003
SG5     Susan            Brand                Manager              F   03/06/1940        24000, B003

  3 registro(s) seleccionado(s).
```

```
db2 => SELECT OwnerNo, COUNT(OwnerNo) AS Repetidos FROM PropertyForRent GROUP BY OwnerNo HAVING (COUNT(OwnerNo)>1)

OWNERNO REPETIDOS
------- -----------
CO87              2
CO93              2

  2 registro(s) seleccionado(s).
```

```
db2 => SELECT * FROM PropertyForRent WHERE Rent > (SELECT AVG(Rent) FROM PropertyForRent)

PROPERTYNO STREET                                               CITY                 POSTCODE             TYPE
ROOMS      RENT          OWNERNO STAFFNO BRANCHNO
---------- --------------------------------------------------- -------------------- -------------------- ----------
---------- ------------ ------- ------- --------
PA14       16 Holdead                                          Aberdeen             AB7 5SU              House
        6          650, CO46    SA9     B007
PG21       18 Dale Rd                                          Glasgow              G12                  House
        5          600, CO87    SG37    B003

  2 registro(s) seleccionado(s).
```

```
db2 => SELECT * FROM PropertyForRent WHERE StaffNo IN (SELECT StaffNo FROM Staff 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, CO87    SL41    B005

  1 registro(s) seleccionado(s).
```

```
db2 => SELECT StaffNo, FName, LName FROM Staff WHERE Salary = (SELECT MAX(Salary) FROM Staff WHERE Position = 'Assistant
')

STAFFNO FNAME           LNAME
------- --------------- ---------------
SG37    Ann             Beech

  1 registro(s) seleccionado(s).
```