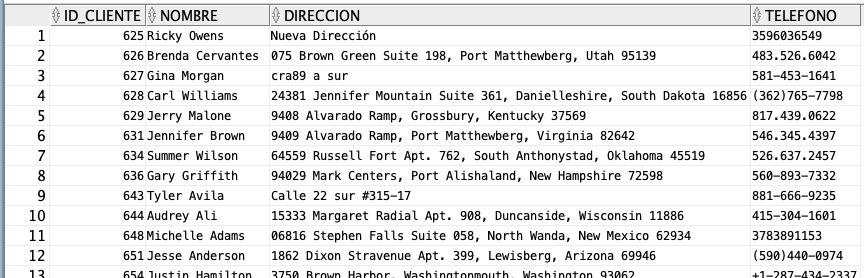
**Ejercicios cuaderno PL/SQL**

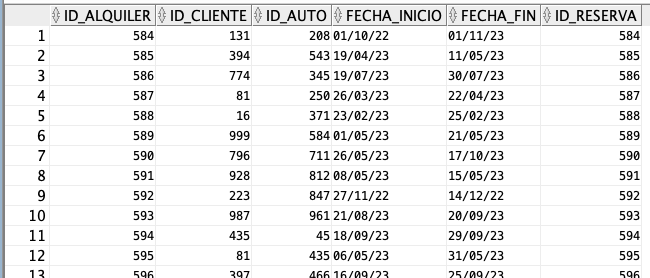
**Ciclo 2:**

SELECT \* FROM ClientePLSQL;



SELECT \* FROM AutoPLSQL;

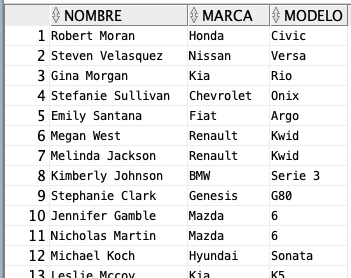


SELECT \* FROM AlquilerPLSQL;

SELECT c.nombre, a.marca, a.modelo FROM ClientePLSQL c

JOIN AlquilerPLSQL al ON c.id\_cliente = al.id\_cliente

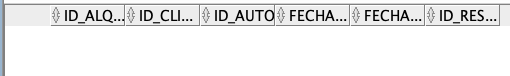
JOIN AutoPLSQL a ON al.id\_auto = a.id\_auto;



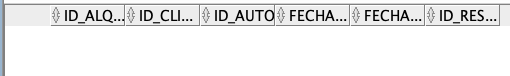
SELECT a.marca, a.modelo, a.ano FROM AutoPLSQL a JOIN AlquilerPLSQL al ON a.id\_auto = al.id\_auto;



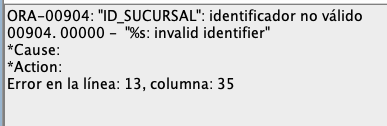
SELECT \* FROM AlquilerPLSQL WHERE id\_cliente = 1;



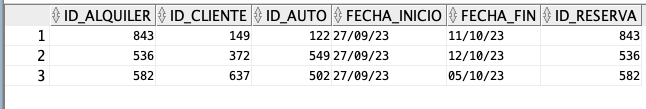
SELECT \* FROM AlquilerPLSQL WHERE id\_auto = 1;



SELECT \* FROM AlquilerPLSQL WHERE id\_sucursal = 1;



SELECT \* FROM AlquilerPLSQL WHERE fecha\_inicio = '27/09/23';



SELECT COUNT(\*) FROM AlquilerPLSQL;



SELECT

c.nombre

FROM

ClientePLSQL c

JOIN

AlquilerPLSQL a ON c.id\_cliente = a.id\_cliente

JOIN

ReservaPLSQL r ON a.id\_reserva = r.id\_reserva

JOIN

SucursalPLSQL s ON r.id\_sucursal = s.id\_sucursal

WHERE

s.nombre = 'Sucursal Central';



SELECT a.marca, a.modelo

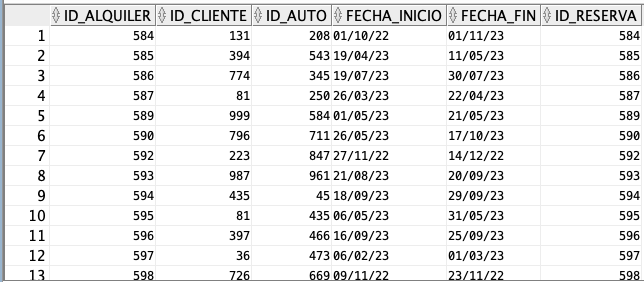
FROM AutoPLSQL a

JOIN AlquilerPLSQL al ON a.id\_auto = al.id\_auto

WHERE al.id\_cliente = 1 AND al.fecha\_inicio = TO\_DATE('27/09/2023', 'DD/MM/YYYY');



SELECT \* FROM AlquilerPLSQL WHERE fecha\_fin - fecha\_inicio > 7;



SELECT c.nombre, COUNT(\*) AS numero\_alquileres

FROM ClientePLSQL c

JOIN AlquilerPLSQL a ON c.id\_cliente = a.id\_cliente

GROUP BY c.nombre

ORDER BY numero\_alquileres DESC

FETCH FIRST 1 ROWS ONLY;



SELECT s.nombre, COUNT(\*) AS numero\_alquileres

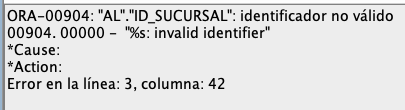
FROM SucursalPLSQL s

JOIN AlquilerPLSQL al ON s.id\_sucursal = al.id\_sucursal

GROUP BY s.nombre

ORDER BY numero\_alquileres DESC

FETCH FIRST 1 ROWS ONLY;



SELECT EXTRACT(MONTH FROM fecha\_inicio) AS mes, COUNT(\*) AS numero\_alquileres

FROM AlquilerPLSQL

GROUP BY EXTRACT(MONTH FROM fecha\_inicio)

ORDER BY numero\_alquileres DESC

FETCH FIRST 1 ROWS ONLY;



SELECT TO\_CHAR(fecha\_inicio, 'D') AS dia\_semana, COUNT(\*) AS numero\_alquileres

FROM AlquilerPLSQL

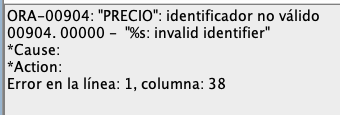
GROUP BY TO\_CHAR(fecha\_inicio, 'D')

ORDER BY numero\_alquileres DESC

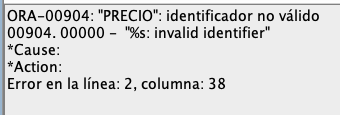
FETCH FIRST 1 ROWS ONLY;



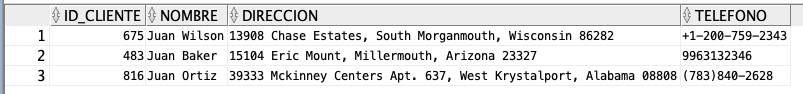
SELECT \* FROM AlquilerPLSQL ORDER BY precio DESC FETCH FIRST 1 ROWS ONLY;



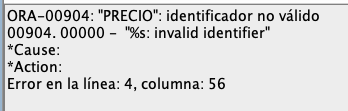
SELECT \* FROM AlquilerPLSQL ORDER BY precio ASC FETCH FIRST 1 ROWS ONLY;



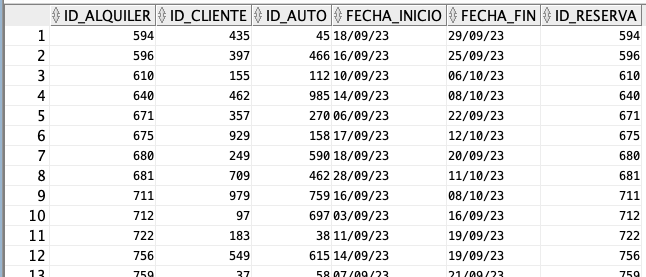
SELECT \* FROM ClientePLSQL WHERE nombre LIKE '%Juan%';



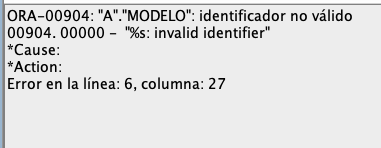
SELECT a.marca, a.modelo, a.ano FROM AutoPLSQL a WHERE precio < 10000;



SELECT \* FROM AlquilerPLSQL WHERE fecha\_inicio BETWEEN TO\_DATE('2023-09-01', 'YYYY-MM-DD') AND TO\_DATE('2023-09-30', 'YYYY-MM-DD');



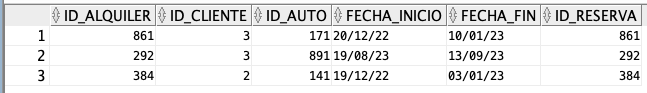
SELECT c.nombre, a.marca, a.modelo FROM ClientePLSQL c JOIN AlquilerPLSQL a ON c.id\_cliente = a.id\_cliente WHERE c.direccion LIKE '%Bogotá%';



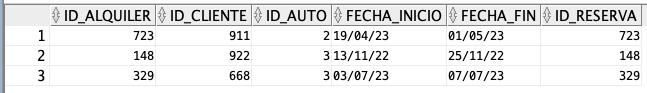
SELECT a.marca, a.modelo, a.ano FROM AutoPLSQL a JOIN AlquilerPLSQL al ON a.id\_auto = al.id\_auto WHERE al.id\_reserva = 1;



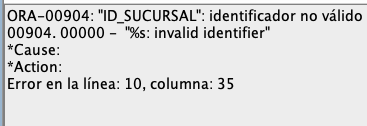
SELECT \* FROM AlquilerPLSQL WHERE id\_cliente IN (1, 2, 3);



SELECT \* FROM AlquilerPLSQL WHERE id\_auto IN (1, 2, 3);



SELECT \* FROM AlquilerPLSQL WHERE id\_sucursal IN (1, 2, 3);



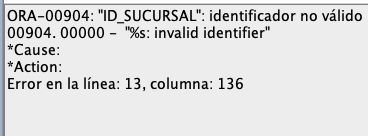
SELECT \* FROM AlquilerPLSQL WHERE fecha\_inicio BETWEEN TO\_DATE('2023-09-01', 'YYYY-MM-DD') AND TO\_DATE('2023-09-30', 'YYYY-MM-DD') AND id\_cliente IN (1, 2, 3);



SELECT \* FROM AlquilerPLSQL WHERE fecha\_inicio BETWEEN TO\_DATE('2023-09-01', 'YYYY-MM-DD') AND TO\_DATE('2023-09-30', 'YYYY-MM-DD') AND id\_auto IN (1, 2, 3);



SELECT \* FROM AlquilerPLSQL WHERE fecha\_inicio BETWEEN TO\_DATE('2023-09-01', 'YYYY-MM-DD') AND TO\_DATE('2023-09-30', 'YYYY-MM-DD') AND id\_sucursal IN (1, 2, 3);



SELECT c.nombre, COUNT(\*) AS numero\_alquileres FROM ClientePLSQL c JOIN AlquilerPLSQL a ON c.id\_cliente = a.id\_cliente GROUP BY c.nombre ORDER BY numero\_alquileres DESC FETCH FIRST 1 ROWS ONLY;



SELECT a.marca, a.modelo, COUNT(\*) AS numero\_alquileres FROM AutoPLSQL a JOIN AlquilerPLSQL al ON a.id\_auto = al.id\_auto GROUP BY a.marca, a.modelo ORDER BY numero\_alquileres DESC FETCH FIRST 1 ROWS ONLY;



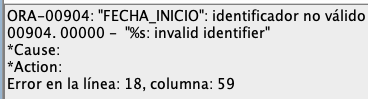
SELECT EXTRACT(MONTH FROM fecha\_inicio) AS mes, COUNT(\*) AS numero\_alquileres FROM AlquilerPLSQL GROUP BY EXTRACT(MONTH FROM fecha\_inicio) ORDER BY numero\_alquileres DESC FETCH FIRST 1 ROWS ONLY;



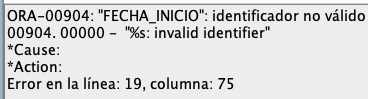
SELECT TO\_CHAR(fecha\_inicio, 'D') AS dia\_semana, COUNT(\*) AS numero\_alquileres FROM AlquilerPLSQL GROUP BY TO\_CHAR(fecha\_inicio, 'D') ORDER BY numero\_alquileres DESC FETCH FIRST 1 ROWS ONLY;



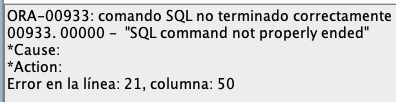
SELECT \* FROM ClientePLSQL WHERE nombre LIKE '%Juan%' AND fecha\_inicio BETWEEN TO\_DATE('2023-09-01', 'YYYY-MM-DD') AND TO\_DATE('2023-09-30', 'YYYY-MM-DD');

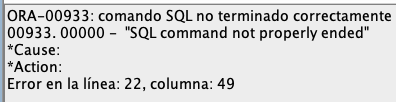


SELECT a.marca, a.modelo, a.ano FROM AutoPLSQL a WHERE precio < 10000 AND fecha\_inicio BETWEEN TO\_DATE('2023-09-01', 'YYYY-MM-DD') AND TO\_DATE('2023-09-30', 'YYYY-MM-DD');



SELECT \* FROM AlquilerPLSQL ORDER BY precio DESC LIMIT 1;



SELECT \* FROM AlquilerPLSQL ORDER BY precio ASC LIMIT 1;

SELECT \* FROM ClientePLSQL WHERE nombre LIKE '%Juan%' AND fecha\_inicio BETWEEN '2023-09-01' AND '2023-09-30'; SELECT a.marca, a.modelo, a.ano FROM AutoPLSQL a WHERE precio < 10000 AND fecha\_inicio BETWEEN '2023-09-01' AND '2023-09-30';

