

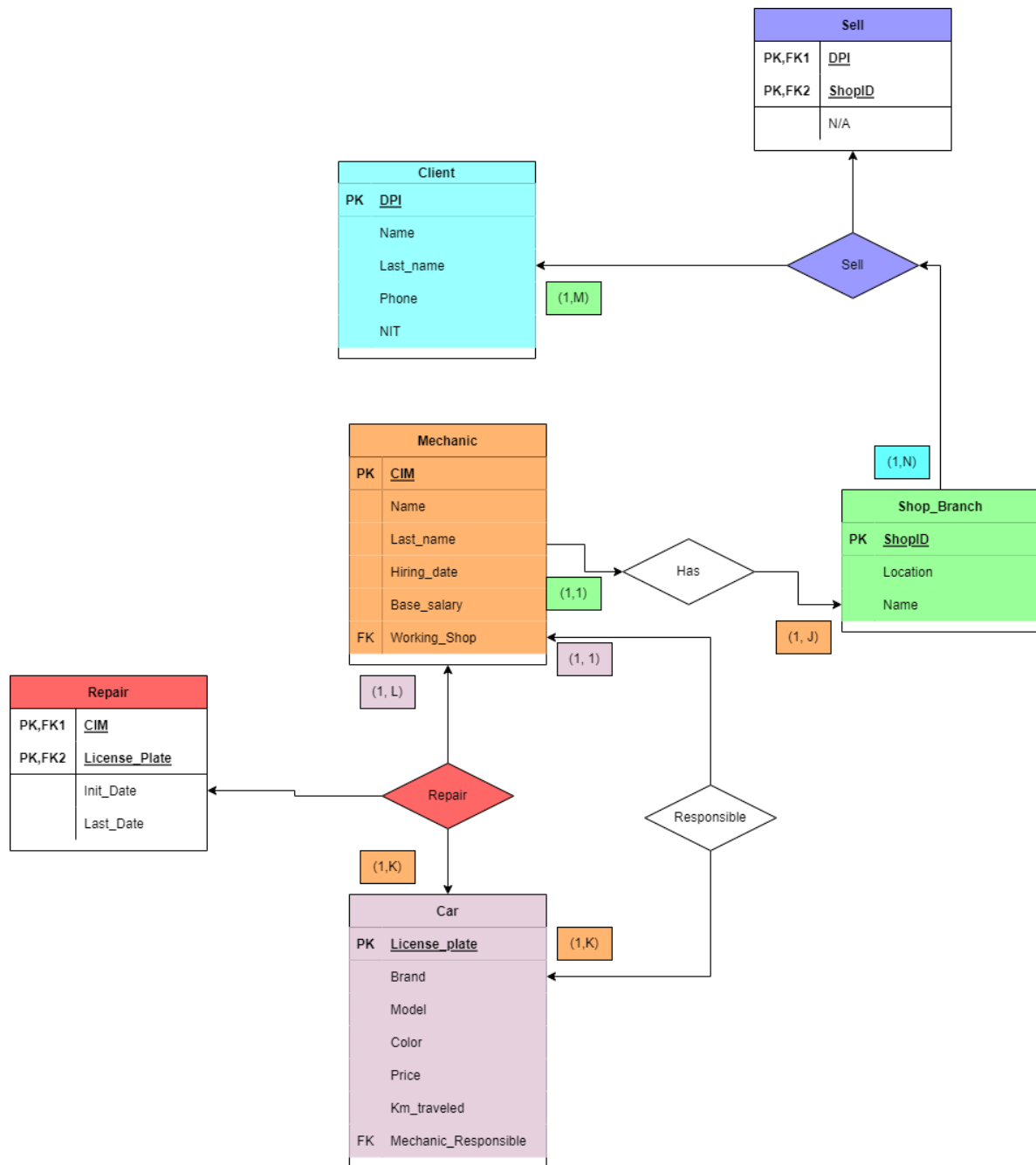
Laboratorio 5 – Base de datos 1

Diccionario de datos – Base de datos.

<u>Campo</u>	<u>Tipo de dato</u>	<u>Tamaño</u>	<u>Descripción</u>
DPI	Int	13	Es el código único de identificación personal del cliente
Name	Varchar	30	Es el nombre del cliente
Last_name	Varchar	30	Es el apellido del cliente
Phone	Int	8	Es el teléfono del cliente
NIT	Int	7	Es el NIT del cliente
ShopID	Varchar	10	Es el código de identificación de la tienda
Location	Varchar	60	Es la dirección de la tienda
Name	Varchar	30	Es el nombre de la tienda
CIM	Varchar	30	Es el ID del mecánico
Name	Varchar	30	Es el nombre del mecánico.
Last_name	Varchar	30	Es el apellido del mecánico.
Hiring_date	Date	Date	Es la fecha de contratación.
Base_salary	Int	5	Es el salario base.
Working_Shop	Varchar	10	Es la tienda donde trabaja.
License_plate	Varchar	7	Es la placa del vehículo.
Brand	Varchar	30	Es la marca del vehículo.
Model	Varchar	30	Es el modelo del vehículo.
Color	Varchar	30	Es el color del vehículo.
Price	Int	7	Es el precio del vehículo
Km_traveled	Int	8	Es el kilometraje del vehículo

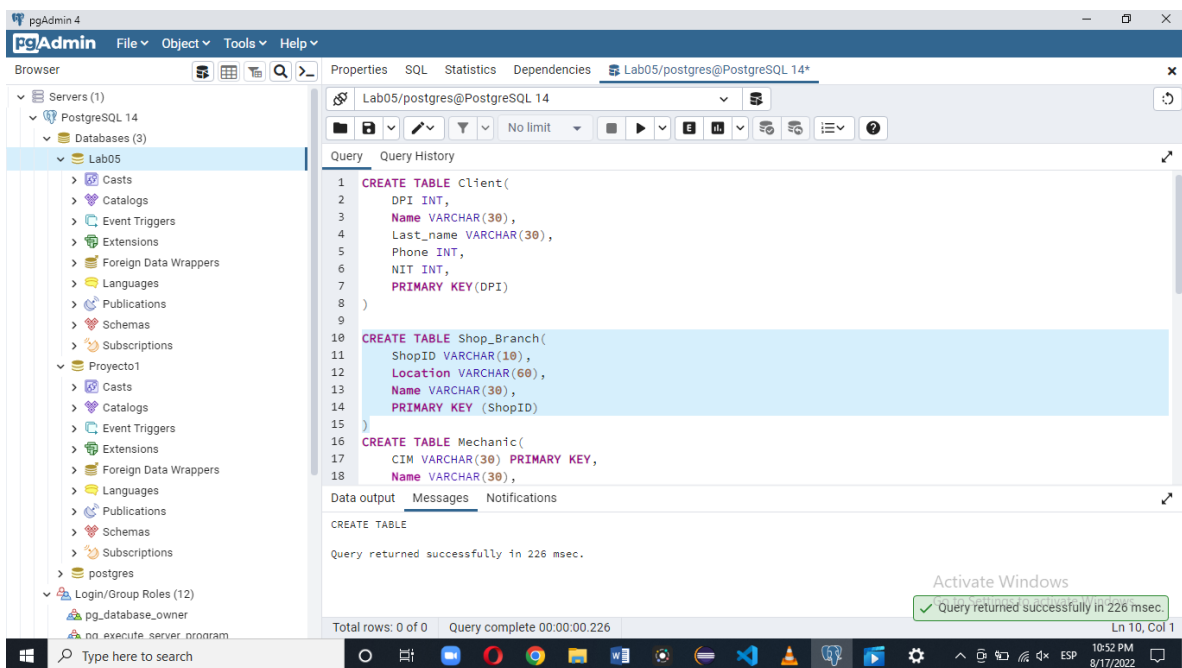
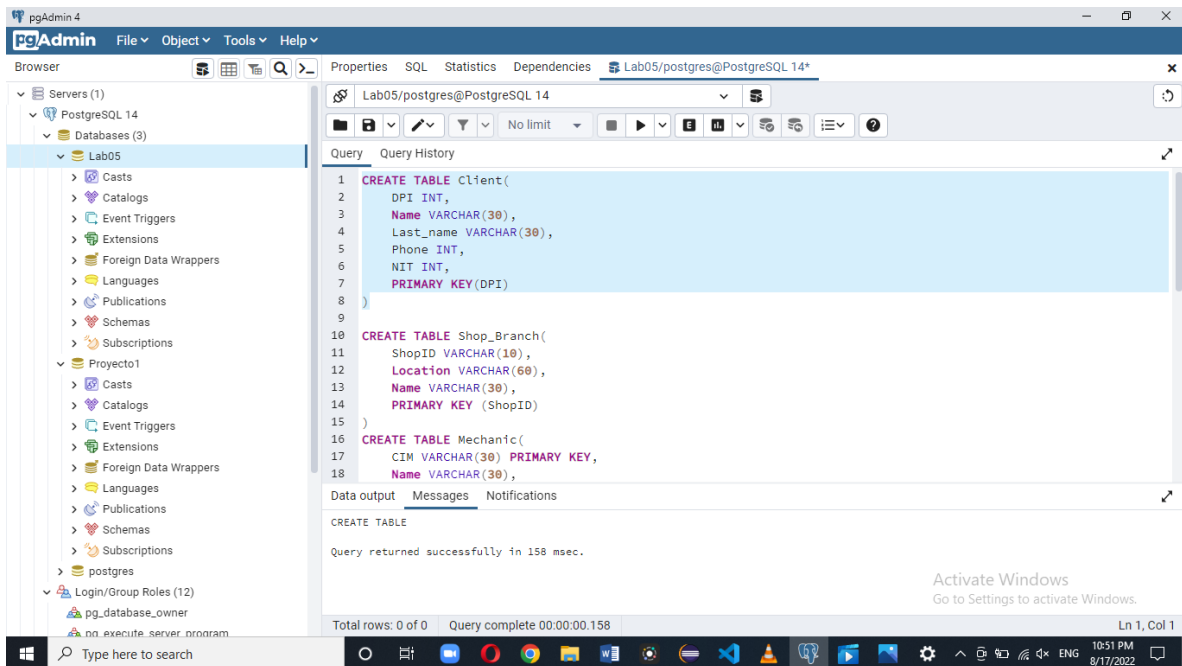
Mechanic_Responsable	Varchar	30	Es el identificador del mecánico responsable.
Init_Date	Date	Date	Es la fecha donde se inicio a reparar el vehículo.
Last_Date	Date	Date	Es la fecha donde se finalizó la reparación del vehículo.

Modelo entidad relación



## Queries

Creación de las tablas:



The screenshot shows the pgAdmin 4 interface with the 'Lab05/postgres@PostgreSQL 14\*' database selected. The 'Query' tab is active, displaying the following SQL code:

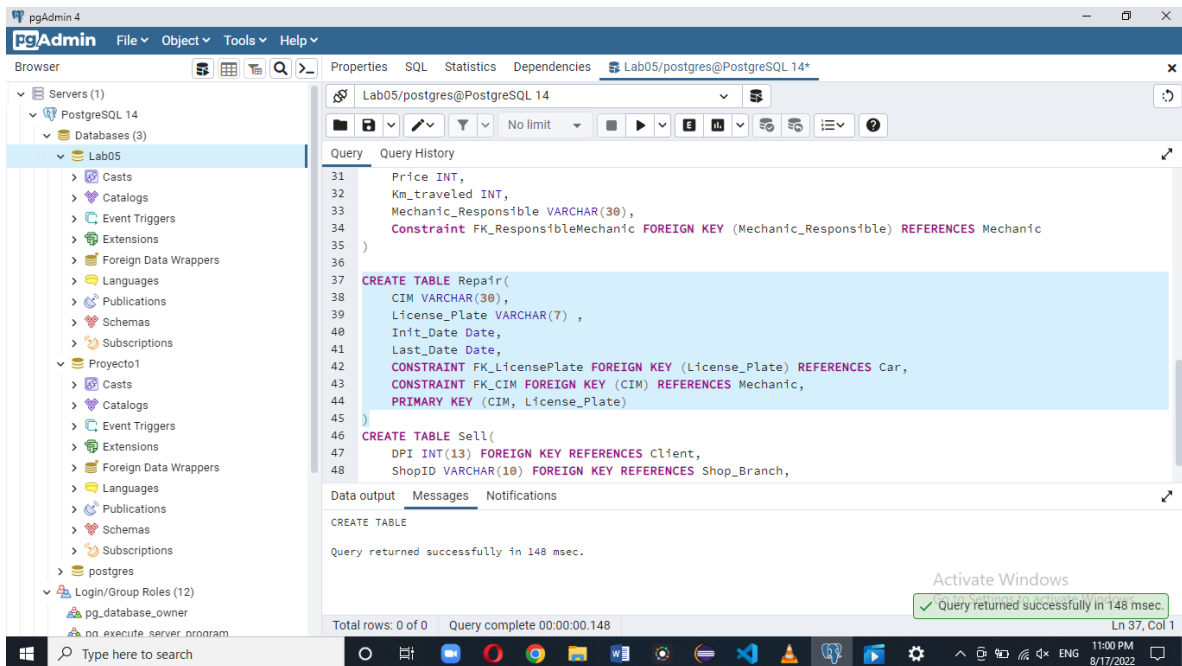
```
14 PRIMARY KEY (ShopID)
15 )
16 CREATE TABLE Mechanic(
17     CIM VARCHAR(30),
18     Name VARCHAR(30),
19     Last_name VARCHAR(30),
20     Hiring_date DATE,
21     Base_salary INT,
22     Working_Shop VARCHAR(10),
23     CONSTRAINT FK_WorkingShop FOREIGN KEY (Working_Shop) REFERENCES Shop_Branch,
24     PRIMARY KEY (CIM)
25 )
26 CREATE TABLE Car(
27     License_Plate VARCHAR(7) PRIMARY KEY,
28     Brand VARCHAR(30),
29     Model VARCHAR(30),
30     Color VARCHAR(30),
31     Price INT(7),
32 )
```

The 'Data output' tab shows the message: 'Query returned successfully in 436 msec.' The status bar indicates 'Total rows: 0 of 0' and 'Query complete 00:00:00.436'.

The screenshot shows the pgAdmin 4 interface with the 'Lab05/postgres@PostgreSQL 14\*' database selected. The 'Query' tab is active, displaying the following SQL code:

```
21 Base_salary INT,
22 Working_Shop VARCHAR(10),
23 CONSTRAINT FK_WorkingShop FOREIGN KEY (Working_Shop) REFERENCES Shop_Branch,
24 PRIMARY KEY (CIM)
25 )
26 CREATE TABLE Car(
27     License_Plate VARCHAR(7) PRIMARY KEY,
28     Brand VARCHAR(30),
29     Model VARCHAR(30),
30     Color VARCHAR(30),
31     Price INT,
32     Km_traveled INT,
33     Mechanic_Responsble VARCHAR(30),
34     Constraint FK_ResponsbleMechanic FOREIGN KEY (Mechanic_Responsble) REFERENCES Mechanic
35 )
36
37 CREATE TABLE Repair(
38     CIM VARCHAR(30) FOREIGN KEY REFERENCES Mechanic,
39     License_Plate VARCHAR(7) FOREIGN KEY REFERENCES Car
40 )
```

The 'Data output' tab shows the message: 'Query returned successfully in 130 msec.' The status bar indicates 'Total rows: 0 of 0' and 'Query complete 00:00:00.130'.



pgAdmin 4

File Object Tools Help

Browser

- Servers (1)
  - PostgreSQL 14
    - Databases (3)
      - Lab05
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas
        - Subscriptions
      - Proyecto1
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas
        - Subscriptions
      - postgres
        - Login/Group Roles (12)
          - pg\_database\_owner
          - pg\_execute\_server\_program

Properties SQL Statistics Dependencies Lab05/postgres@PostgreSQL 14\*

Lab05/postgres@PostgreSQL 14

Query Query History

```
31 Price INT,  
32 Km_traveled INT,  
33 Mechanic_Responsble VARCHAR(30),  
34 CONSTRAINT FK_ResponsbleMechanic FOREIGN KEY (Mechanic_Responsble) REFERENCES Mechanic  
35 )  
36  
37 CREATE TABLE Repair(  
38 CIM VARCHAR(30),  
39 License_Plate VARCHAR(7) ,  
40 Init_Date Date,  
41 Last_Date Date,  
42 CONSTRAINT FK_LicensePlate FOREIGN KEY (License_Plate) REFERENCES Car,  
43 CONSTRAINT FK_CIM FOREIGN KEY (CIM) REFERENCES Mechanic,  
44 PRIMARY KEY (CIM, License_Plate)  
45 )  
46  
47 CREATE TABLE Sell(  
48 DPI INT(13) FOREIGN KEY REFERENCES Client,  
49 ShopID VARCHAR(10) FOREIGN KEY REFERENCES Shop_Branch,  
50 )  
51  
52 )
```

Data output Messages Notifications

CREATE TABLE

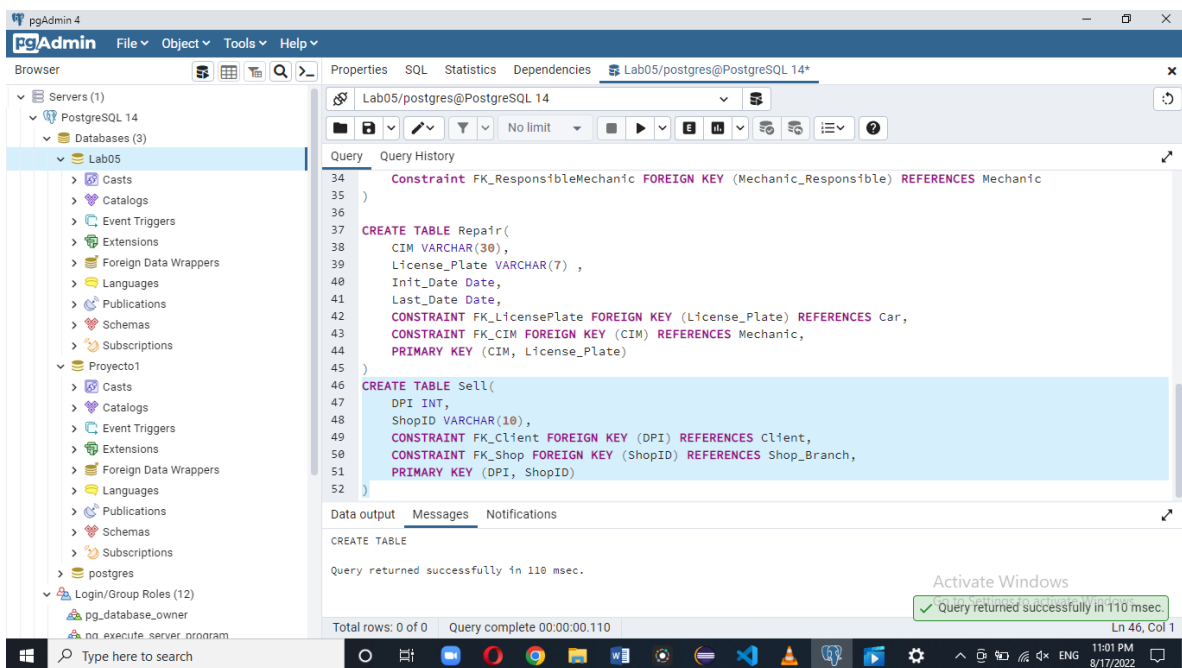
Query returned successfully in 148 msec.

Total rows: 0 of 0 Query complete 00:00:00.148 Ln 37, Col 1

Activate Windows

Query returned successfully in 148 msec.

11:00 PM 8/17/2022



pgAdmin 4

File Object Tools Help

Browser

- Servers (1)
  - PostgreSQL 14
    - Databases (3)
      - Lab05
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas
        - Subscriptions
      - Proyecto1
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas
        - Subscriptions
      - postgres
        - Login/Group Roles (12)
          - pg\_database\_owner
          - pg\_execute\_server\_program

Properties SQL Statistics Dependencies Lab05/postgres@PostgreSQL 14\*

Lab05/postgres@PostgreSQL 14

Query Query History

```
34 CONSTRAINT FK_ResponsbleMechanic FOREIGN KEY (Mechanic_Responsble) REFERENCES Mechanic  
35 )  
36  
37 CREATE TABLE Repair(  
38 CIM VARCHAR(30),  
39 License_Plate VARCHAR(7) ,  
40 Init_Date Date,  
41 Last_Date Date,  
42 CONSTRAINT FK_LicensePlate FOREIGN KEY (License_Plate) REFERENCES Car,  
43 CONSTRAINT FK_CIM FOREIGN KEY (CIM) REFERENCES Mechanic,  
44 PRIMARY KEY (CIM, License_Plate)  
45 )  
46  
47 CREATE TABLE Sell(  
48 DPI INT,  
49 ShopID VARCHAR(10),  
50 CONSTRAINT FK_Client FOREIGN KEY (DPI) REFERENCES Client,  
51 CONSTRAINT FK_Shop FOREIGN KEY (ShopID) REFERENCES Shop_Branch,  
52 PRIMARY KEY (DPI, ShopID)  
53 )
```

Data output Messages Notifications

CREATE TABLE

Query returned successfully in 110 msec.

Total rows: 0 of 0 Query complete 00:00:00.110 Ln 46, Col 1

Activate Windows

Query returned successfully in 110 msec.

11:01 PM 8/17/2022

Inserts:

pgAdmin 4

File Object Tools Help

Browser

- Servers (1)
  - PostgreSQL 14
    - Databases (3)
      - Lab05
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas
        - Subscriptions
      - Proyecto1
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas
        - Subscriptions
      - postgres
      - Login/Group Roles (12)
      - pg\_database\_owner
      - pg\_execute\_server\_program

Properties SQL Statistics Dependencies Lab05/postgres@PostgreSQL 14\*

Lab05/postgres@PostgreSQL 14

Query Query History

```
40 Init_Date Date,  
41 Last_Date Date,  
42 CONSTRAINT FK_LicensePlate FOREIGN KEY (License_Plate) REFERENCES Car,  
43 CONSTRAINT FK_CIM FOREIGN KEY (CIM) REFERENCES Mechanic,  
44 PRIMARY KEY (CIM, License_Plate)  
45 )  
46 CREATE TABLE Sell(  
47 DPI INT,  
48 ShopID VARCHAR(10),  
49 CONSTRAINT FK_Client FOREIGN KEY (DPI) REFERENCES Client,  
50 CONSTRAINT FK_Shop FOREIGN KEY (ShopID) REFERENCES Shop_Branch,  
51 PRIMARY KEY (DPI, ShopID)  
52 )  
53  
54 INSERT INTO Client(DPI, Name, Last_name, Phone, NIT)  
55 VALUES(12345678, 'Diego', 'Alonzo', 50673581, 7607415),  
56 (87654321, 'Gaby', 'Marroquin', 59794794, 7462739),  
57 (98765432, 'Daniel', 'Zamora', 57894563, 9876234),  
58 (78920182, 'Sofia', 'Gonzalez', 56783291, 43247894)
```

Data output Messages Notifications

INSERT 0 4

Query returned successfully in 202 msec.

Total rows: 0 of 0 Query complete 00:00:00.202 Ln 53, Col 1

Activate Windows  
Go to Settings to activate Windows.

pgAdmin 4

File Object Tools Help

Browser

- Servers (1)
  - PostgreSQL 14
    - Databases (3)
      - Lab05
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas
        - Subscriptions
      - Proyecto1
        - Casts
        - Catalogs
        - Event Triggers
        - Extensions
        - Foreign Data Wrappers
        - Languages
        - Publications
        - Schemas
        - Subscriptions
      - postgres
      - Login/Group Roles (12)
      - pg\_database\_owner
      - pg\_execute\_server\_program

Properties SQL Statistics Dependencies Lab05/postgres@PostgreSQL 14\*

Lab05/postgres@PostgreSQL 14

Query Query History

```
45 )  
46 CREATE TABLE Sell(  
47 DPI INT,  
48 ShopID VARCHAR(10),  
49 CONSTRAINT FK_Client FOREIGN KEY (DPI) REFERENCES Client,  
50 CONSTRAINT FK_Shop FOREIGN KEY (ShopID) REFERENCES Shop_Branch,  
51 PRIMARY KEY (DPI, ShopID)  
52 )  
53  
54 INSERT INTO Client(DPI, Name, Last_name, Phone, NIT)  
55 VALUES(12345678, 'Diego', 'Alonzo', 50673581, 7607415),  
56 (87654321, 'Gaby', 'Marroquin', 59794794, 7462739),  
57 (98765432, 'Daniel', 'Zamora', 57894563, 9876234),  
58 (78920182, 'Sofia', 'Gonzalez', 56783291, 43247894)  
59  
60 INSERT INTO Shop_Branch(ShopID, Location, Name)  
61 VALUES(1, 'Octava avenida 71-90', 'El portalito'),  
62 (2, 'Septima calle 76-3', 'Surenio'),  
63 (3, 'Primera calle 12-51', 'El guacal')
```

Data output Messages Notifications

INSERT 0 3

Query returned successfully in 157 msec.

Total rows: 0 of 0 Query complete 00:00:00.157 Ln 59, Col 1

Activate Windows  
Query returned successfully in 157 msec.

The screenshot shows the pgAdmin 4 interface with the 'Query' tab selected. The query window displays a SQL script that creates a table named 'Sell' and inserts data into two tables: 'Client' and 'Shop\_Branch'. The 'Client' table has columns DPI, Name, Last\_name, Phone, and NIT. The 'Shop\_Branch' table has columns ShopID, Location, and Name. The query is executed successfully, returning 0 rows in 71 msec.

```
46 CREATE TABLE Sell(
47     DPI INT,
48     ShopID VARCHAR(10),
49     CONSTRAINT FK_Client FOREIGN KEY (DPI) REFERENCES Client,
50     CONSTRAINT FK_Shop FOREIGN KEY (ShopID) REFERENCES Shop_Branch,
51     PRIMARY KEY (DPI, ShopID)
52 )
53
54 INSERT INTO Client(DPI, Name, Last_name, Phone, NIT)
55 VALUES(12345678, 'Diego', 'Alonzo', 50673581, 7607415),
56 (87654321, 'Gaby', 'Marroquin', 59794794, 7462739),
57 (98765432, 'Daniel', 'Zamora', 57894563, 9876234),
58 (78920182, 'Sofia', 'Gonzalez', 56783291, 43247894)
59
60 INSERT INTO Shop_Branch(ShopID, Location, Name)
61 VALUES(5, 'Septima', 'El portalito'),
62 (9, 'Cuarta', 'Surenfo'),
63 (4, '12-51', 'El guacal')
64
```

Query returned successfully in 71 msec.

Total rows: 0 of 0 Query complete 00:00:00.071

The screenshot shows the pgAdmin 4 interface with the 'Query' tab selected. The query window displays a SQL script that inserts data into three tables: 'Client', 'Shop\_Branch', and 'Mechanico'. The 'Client' table has columns DPI, Name, Last\_name, Phone, and NIT. The 'Shop\_Branch' table has columns ShopID, Location, and Name. The 'Mechanico' table has columns CIM, Name, Last\_name, Hiring\_date, Base\_salary, and Working\_Shop. The query is executed successfully, returning 0 rows in 219 msec.

```
54 INSERT INTO Client(DPI, Name, Last_name, Phone, NIT)
55 VALUES(12345678, 'Diego', 'Alonzo', 50673581, 7607415),
56 (87654321, 'Gaby', 'Marroquin', 59794794, 7462739),
57 (98765432, 'Daniel', 'Zamora', 57894563, 9876234),
58 (78920182, 'Sofia', 'Gonzalez', 56783291, 43247894)
59
60 INSERT INTO Shop_Branch(ShopID, Location, Name)
61 VALUES(5, 'Septima', 'El portalito'),
62 (9, 'Cuarta', 'Surenfo'),
63 (4, '12-51', 'El guacal')
64
65 INSERT INTO Mechanico(CIM, Name, Last_name, Hiring_date, Base_salary, Working_Shop)
66 VALUES(2134, 'Raul', 'Gonzalez', '2020/12/25', 2300, 1),
67 (532, 'Sol', 'De Leon', '2023/01/23', 300, 2),
68 (431, 'Javier', 'Molina', '2016/09/09', 2894, 3),
69 (4341, 'Jose', 'Molina', '2017/09/09', 2894, 3),
70 (7381, 'Ester', 'Oliva', '2018/09/09', 2894, 4),
71 (7483, 'Lucas', 'Espino', '2006/09/09', 2894, 9)
72
```

Query returned successfully in 219 msec.

Total rows: 0 of 0 Query complete 00:00:00.219



The image displays two screenshots of the pgAdmin 4 interface, showing SQL queries and their execution results in a PostgreSQL database.

**Top Screenshot:**

- Query:**

```
61 VALUES(5, 'Septima', 'El portalito'),
62 (9, 'Cuarta', 'Surenio'),
63 (4, '12-51', 'El guacal')
64
65 INSERT INTO Mechanic(CIM, Name, Last_name, Hiring_date, Base_salary, Working_Shop)
66 VALUES (2134, 'Raul', 'Gonzalez', '2020/12/25', 2300, 1),
67 (532, 'Sol', 'De Leon', '2023/01/23', 300, 2),
68 (431, 'Javier', 'Molina', '2016/09/09', 2894, 3),
69 (4341, 'Jose', 'Molina', '2017/09/09', 2894, 3),
70 (7381, 'Ester', 'Oliva', '2018/09/09', 2894, 4),
71 (7483, 'Lucas', 'Espino', '2006/09/09', 2894, 9)
72
73 INSERT INTO Car(License_plate, Brand, Model, Color, Price, Km_traveled, Mechanic_Responsable)
74 VALUES ('o8u493', 'Nissan', 'x5', 'White', 75000, 83484, 532),
75 ('c38942', 'Nissan', 'x3', 'White', 75000, 83484, 431),
76 ('cjh32', 'Toyota', 'Yaris', 'Black', 47833, 83484, 7381),
77 ('njkfds', 'Mitsubishi', 'Lancer', 'Blue', 90000, 90000, 7483),
78 ('o8u4jca', 'Toyota', 'Corolla', 'Red', 75000, 83484, 532)
79
```
- Data output:**

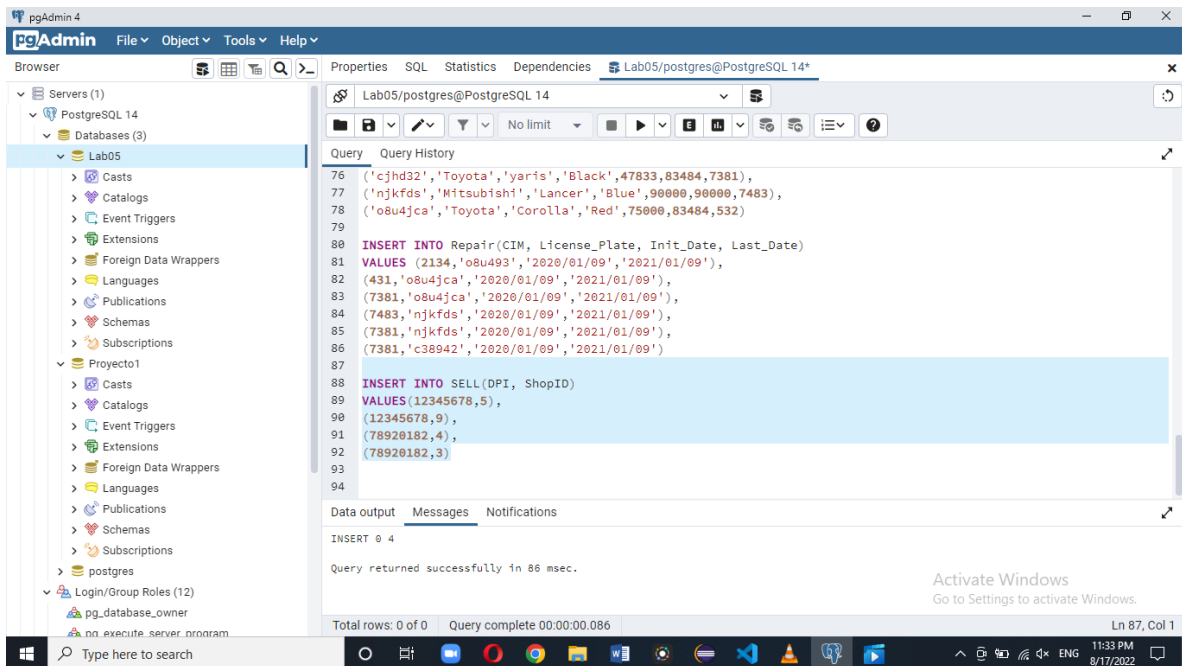
```
INSERT 0 5
Query returned successfully in 97 msec.
```
- Status:** Query complete 00:00:00.097. Total rows: 0 of 0.

**Bottom Screenshot:**

- Query:**

```
71 (7483, 'Lucas', 'Espino', '2006/09/09', 2894, 9)
72
73 INSERT INTO Car(License_plate, Brand, Model, Color, Price, Km_traveled, Mechanic_Responsable)
74 VALUES ('o8u493', 'Nissan', 'x5', 'White', 75000, 83484, 532),
75 ('c38942', 'Nissan', 'x3', 'White', 75000, 83484, 431),
76 ('cjh32', 'Toyota', 'Yaris', 'Black', 47833, 83484, 7381),
77 ('njkfds', 'Mitsubishi', 'Lancer', 'Blue', 90000, 90000, 7483),
78 ('o8u4jca', 'Toyota', 'Corolla', 'Red', 75000, 83484, 532)
79
80 INSERT INTO Repair(CIM, License_Plate, Init_Date, Last_Date)
81 VALUES (2134, 'o8u493', '2020/01/09', '2021/01/09'),
82 (431, 'o8u4jca', '2020/01/09', '2021/01/09'),
83 (7381, 'o8u4jca', '2020/01/09', '2021/01/09'),
84 (7483, 'njkfds', '2020/01/09', '2021/01/09'),
85 (7381, 'njkfds', '2020/01/09', '2021/01/09'),
86 (7381, 'c38942', '2020/01/09', '2021/01/09')
87
88
89
```
- Data output:**

```
INSERT 0 6
Query returned successfully in 92 msec.
```
- Status:** Query complete 00:00:00.092. Total rows: 0 of 0.

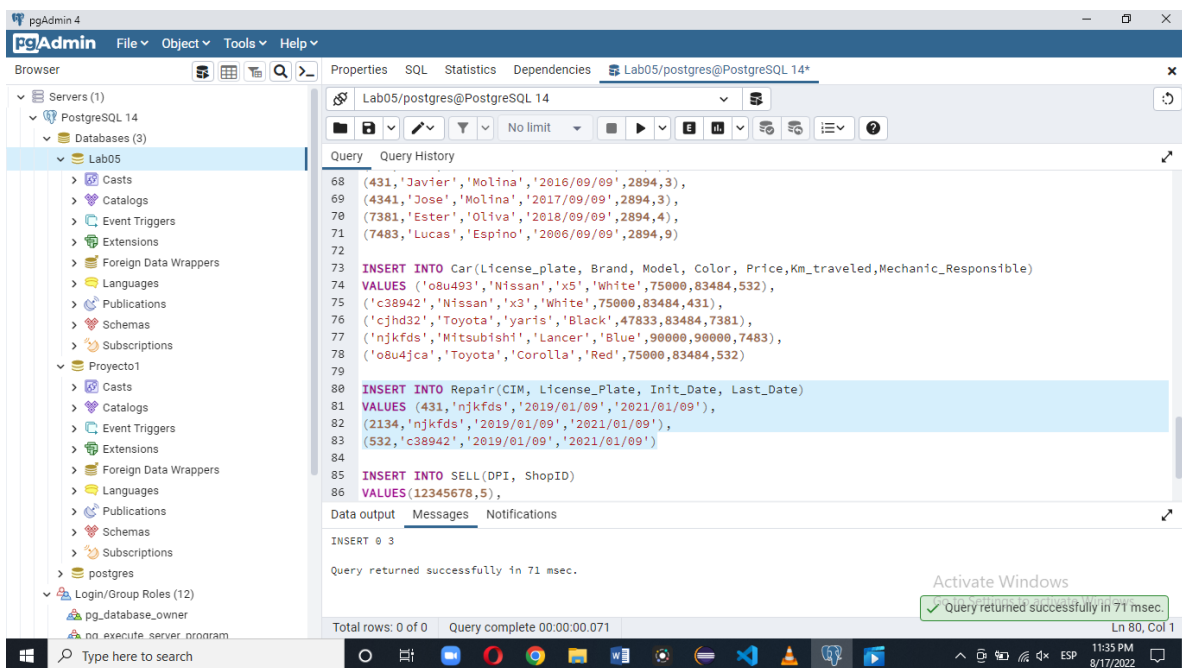


```
76 ('cjh32','Toyota','Yaris','Black',47833,83484,7381),
77 ('njkfds','Mitsubishi','Lancer','Blue',90000,90000,7483),
78 ('o8u4jca','Toyota','Corolla','Red',75000,83484,532)
79
80 INSERT INTO Repair(CIM, License_Plate, Init_Date, Last_Date)
81 VALUES (2134,'o8u493','2020/01/09','2021/01/09'),
82 (431,'o8u4jca','2020/01/09','2021/01/09'),
83 (7381,'o8u4jca','2020/01/09','2021/01/09'),
84 (7483,'njkfds','2020/01/09','2021/01/09'),
85 (7381,'njkfds','2020/01/09','2021/01/09'),
86 (7381,'c38942','2020/01/09','2021/01/09')
87
88 INSERT INTO SELL(DPI, ShopID)
89 VALUES (12345678,5),
90 (12345678,9),
91 (78920182,4),
92 (78920182,3)
93
94
```

INSERT 0 4

Query returned successfully in 86 msec.

Total rows: 0 of 0 Query complete 00:00:00.086



```
68 (431,'Javier','Molina','2016/09/09',2894,3),
69 (4341,'Jose','Molina','2017/09/09',2894,3),
70 (7381,'Ester','Oliva','2018/09/09',2894,4),
71 (7483,'Lucas','Espino','2006/09/09',2894,9)
72
73 INSERT INTO Car(License_plate, Brand, Model, Color, Price,Km_traveled,Mechanic_Responsble)
74 VALUES ('o8u493','Nissan','x5','White',75000,83484,532),
75 ('c38942','Nissan','x3','White',75000,83484,431),
76 ('cjh32','Toyota','Yaris','Black',47833,83484,7381),
77 ('njkfds','Mitsubishi','Lancer','Blue',90000,90000,7483),
78 ('o8u4jca','Toyota','Corolla','Red',75000,83484,532)
79
80 INSERT INTO Repair(CIM, License_Plate, Init_Date, Last_Date)
81 VALUES (431,'njkfds','2019/01/09','2021/01/09'),
82 (2134,'njkfds','2019/01/09','2021/01/09'),
83 (532,'c38942','2019/01/09','2021/01/09')
84
85 INSERT INTO SELL(DPI, ShopID)
86 VALUES (12345678,5),
87 (12345678,9),
88 (78920182,4),
89 (78920182,3)
89
```

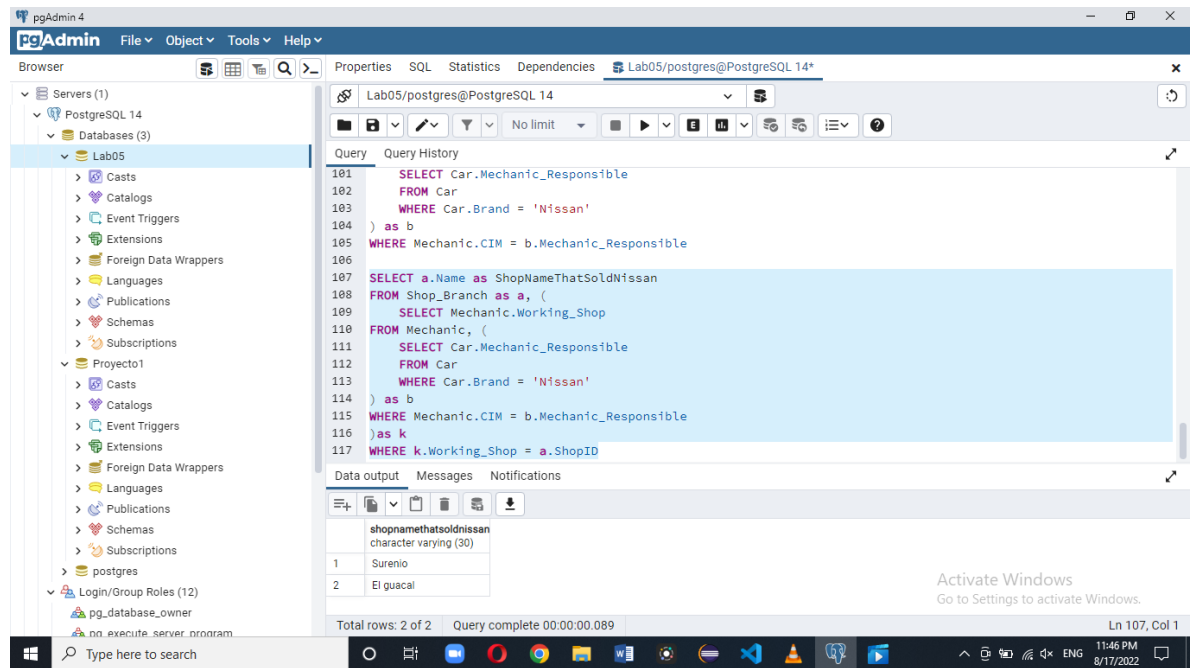
INSERT 0 3

Query returned successfully in 71 msec.

Total rows: 0 of 0 Query complete 00:00:00.071

### Consultas:

- ¿Cuáles son las 3 tiendas que más reparaciones han completado durante el mes de enero 2019?
- ¿Qué tiendas han vendido vehículos marca Nissan?



Las tiendas que vendieron Nissan son: Surenio y El guacal.

Código

```
CREATE TABLE Client(
```

```
    DPI INT,
```

```
    Name VARCHAR(30),
```

```
    Last_name VARCHAR(30),
```

```
    Phone INT,
```

```
    NIT INT,
```

```
    PRIMARY KEY(DPI)
```

```
)
```

```
CREATE TABLE Shop_Branch(
```

```
    ShopID VARCHAR(10),
```

```
    Location VARCHAR(60),
```

```
    Name VARCHAR(30),
```

```
    PRIMARY KEY (ShopID)
```

```
)
```

```
CREATE TABLE Mechanic(  
    CIM VARCHAR(30),  
    Name VARCHAR(30),  
    Last_name VARCHAR(30),  
    Hiring_date DATE,  
    Base_salary INT,  
    Working_Shop VARCHAR(10),  
    CONSTRAINT FK_WorkingShop FOREIGN KEY (Working_Shop) REFERENCES  
    Shop_Branch,  
    PRIMARY KEY (CIM)  
)  
  
CREATE TABLE Car(  
    License_Plate VARCHAR(7) PRIMARY KEY,  
    Brand VARCHAR(30),  
    Model VARCHAR(30),  
    Color VARCHAR(30),  
    Price INT,  
    Km_traveled INT,  
    Mechanic_Responsible VARCHAR(30),  
    Constraint FK_ResponsibleMechanic FOREIGN KEY (Mechanic_Responsible)  
    REFERENCES Mechanic  
)  
  
CREATE TABLE Repair(  
    CIM VARCHAR(30),  
    License_Plate VARCHAR(7) ,  
    Init_Date Date,  
    Last_Date Date,  
    CONSTRAINT FK_LicensePlate FOREIGN KEY (License_Plate) REFERENCES Car,
```

```
CONSTRAINT FK_CIM FOREIGN KEY (CIM) REFERENCES Mechanic,  
PRIMARY KEY (CIM, License_Plate)  
)  
  
CREATE TABLE Sell(  
    DPI INT,  
    ShopID VARCHAR(10),  
    CONSTRAINT FK_Client FOREIGN KEY (DPI) REFERENCES Client,  
    CONSTRAINT FK_Shop FOREIGN KEY (ShopID) REFERENCES Shop_Branch,  
    PRIMARY KEY (DPI, ShopID)  
)  
  
INSERT INTO Client(DPI, Name, Last_name, Phone, NIT)  
VALUES(12345678, 'Diego', 'Alonzo', 50673581, 7607415),  
(87654321, 'Gaby', 'Marroquin', 59794794, 7462739),  
(98765432, 'Daniel', 'Zamora', 57894563, 9876234),  
(78920182, 'Sofia', 'Gonzalez', 56783291, 43247894)  
  
INSERT INTO Shop_Branch(ShopID, Location, Name)  
VALUES(5, 'Septima', 'El portalito'),  
(9, 'Cuarta', 'Surenio'),  
(4, '12-51', 'El guacal')  
  
INSERT INTO Mechanic(CIM, Name, Last_name, Hiring_date, Base_salary,  
Working_Shop)  
VALUES(2134, 'Raul', 'Gonzalez', '2020/12/25', 2300, 1),  
(532, 'Sol', 'De leon', '2023/01/23', 300, 2),  
(431, 'Javier', 'Molina', '2016/09/09', 2894, 3),  
(4341, 'Jose', 'Molina', '2017/09/09', 2894, 3),  
(7381, 'Ester', 'Oliva', '2018/09/09', 2894, 4),
```

(7483,'Lucas','Espino','2006/09/09',2894,9)

INSERT INTO Car(License\_plate, Brand, Model, Color,  
Price,Km\_traveled,Mechanic\_Responsible)

VALUES ('o8u493','Nissan','x5','White',75000,83484,532),

('c38942','Nissan','x3','White',75000,83484,431),

('cjhd32','Toyota','yaris','Black',47833,83484,7381),

('njkfds','Mitsubishi','Lancer','Blue',90000,90000,7483),

('o8u4jca','Toyota','Corolla','Red',75000,83484,532)

INSERT INTO Repair(CIM, License\_Plate, Init\_Date, Last\_Date)

VALUES (431,'njkfds','2019/01/09','2021/01/09'),

(2134,'njkfds','2019/01/09','2021/01/09'),

(532,'c38942','2019/01/09','2021/01/09')

INSERT INTO SELL(DPI, ShopID)

VALUES(12345678,5),

(12345678,9),

(78920182,4),

(78920182,3)

SELECT Car.Mechanic\_Responsible

FROM Car

WHERE Car.Brand = 'Nissan'

SELECT Mechanic.Working\_Shop

FROM Mechanic, (

SELECT Car.Mechanic\_Responsible

```
FROM Car
WHERE Car.Brand = 'Nissan'
) as b
WHERE Mechanic.CIM = b.Mechanic_Responsible

SELECT a.Name as ShopNameThatSoldNissan
FROM Shop_Branch as a, (
    SELECT Mechanic.Working_Shop
FROM Mechanic, (
    SELECT Car.Mechanic_Responsible
FROM Car
WHERE Car.Brand = 'Nissan'
) as b
WHERE Mechanic.CIM = b.Mechanic_Responsible
)as k
WHERE k.Working_Shop = a.ShopID
```