Universidad Tecnológica de Panamá

Facultad de Ingeniería de Sistemas Computacionales

Licenciatura en Ingeniería de Sistemas de Información

Departamento de Sistemas de Información, Control y Evaluación de Recursos Informáticos

Sistemas de Bases de Datos II

Equipo #1

Laboratorio #3: “Modelado de base de datos (Implementación)”

Facilitador:

Ing. Henry Lezcano

Integrantes:

Aguilar, Milagros 3-740-771

Atencio, Anel 8-950-868

Márquez, Paola 8-949-1108

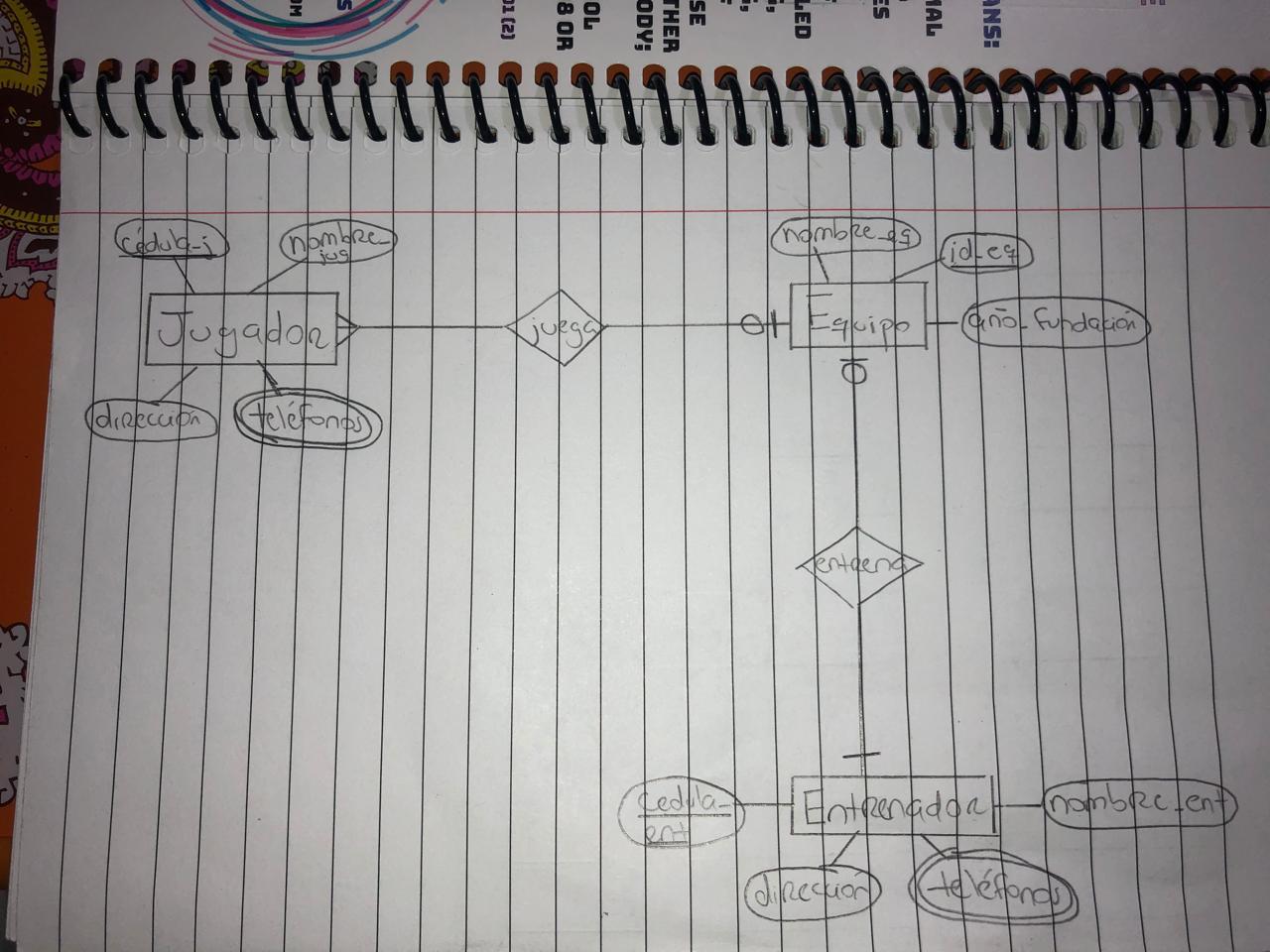
Rojas, Reynaldo 8-950-792

Grupo:

1IF131

II Semestre, 2020

**Problema #1 – Jugadores y Equipos**



**Modelo Lógico Relacional Normalizado**



(N,1)



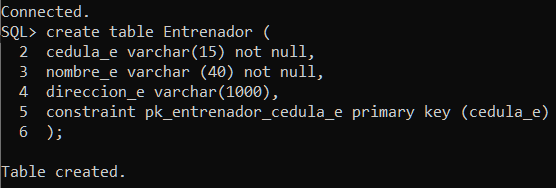


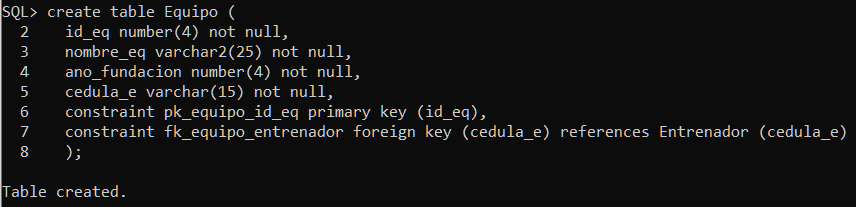
(N,1) (N,1)

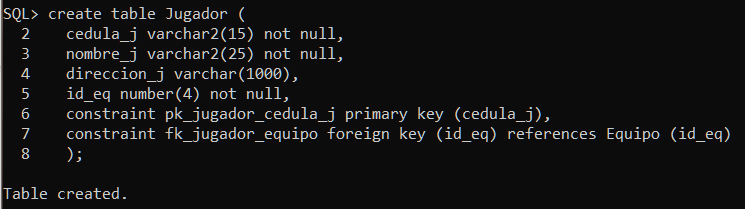


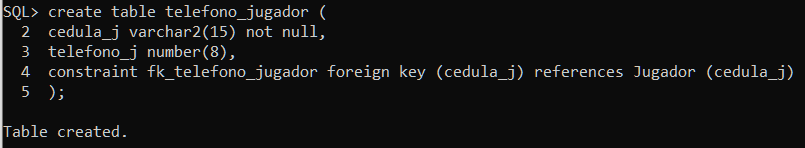
(1,1)

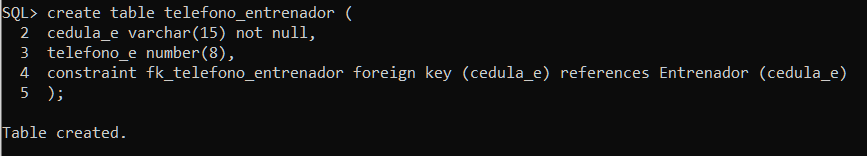
**Creación de Tablas**











**Inserción de los Datos**

Tabla Entrenador:

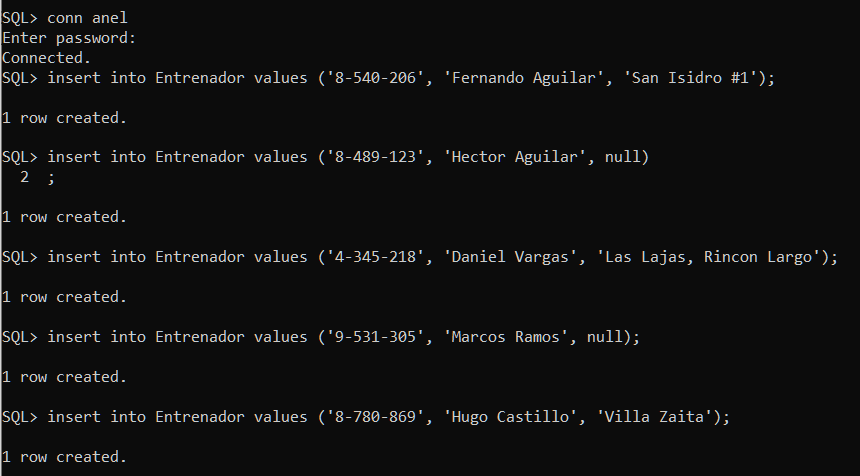


Tabla Equipo:

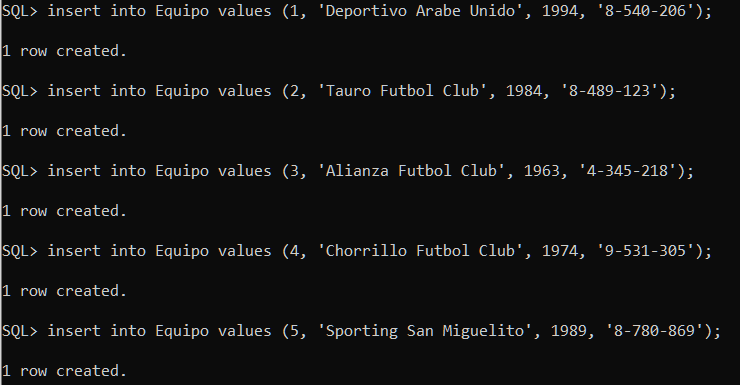
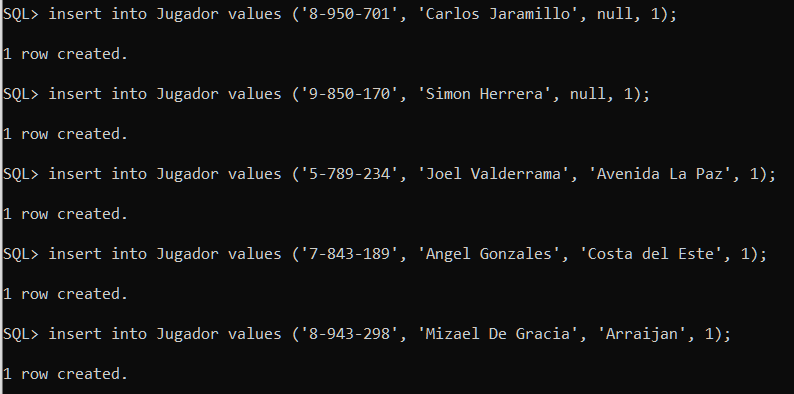
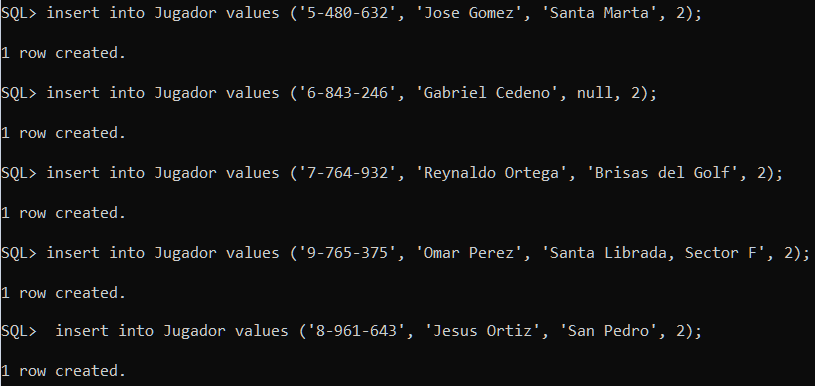


Tabla Jugador:







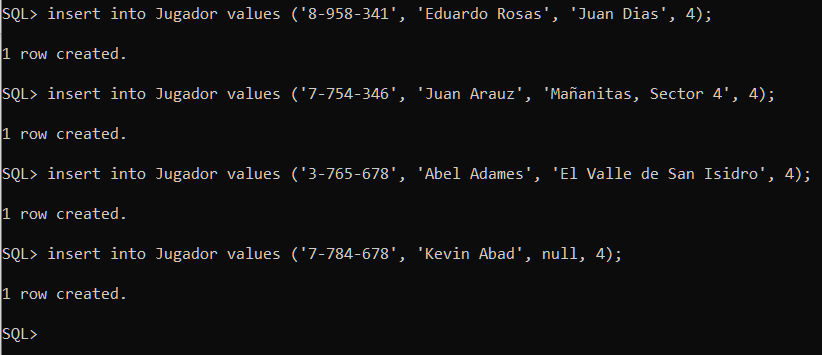




Tabla Telefono\_Entrenador:

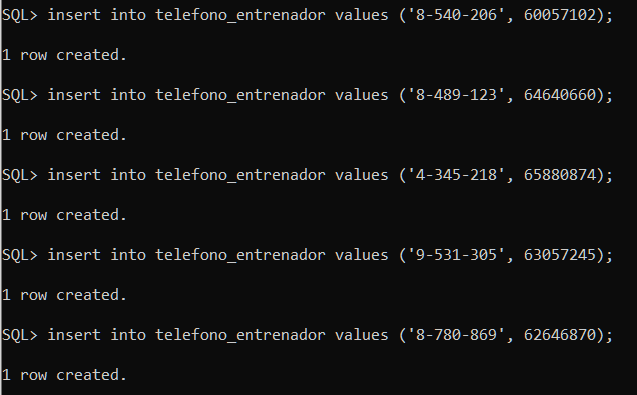
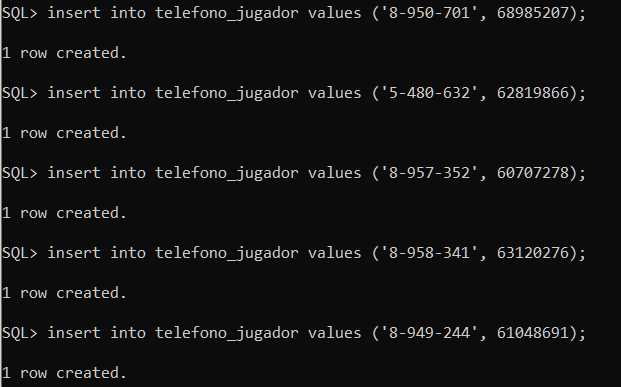


Tabla teléfono\_jugador:

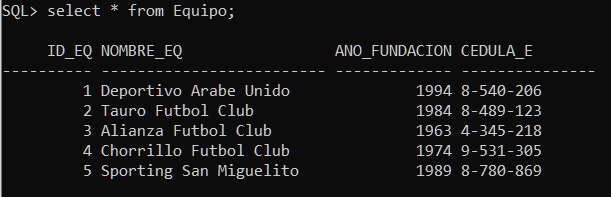


**Consultas**

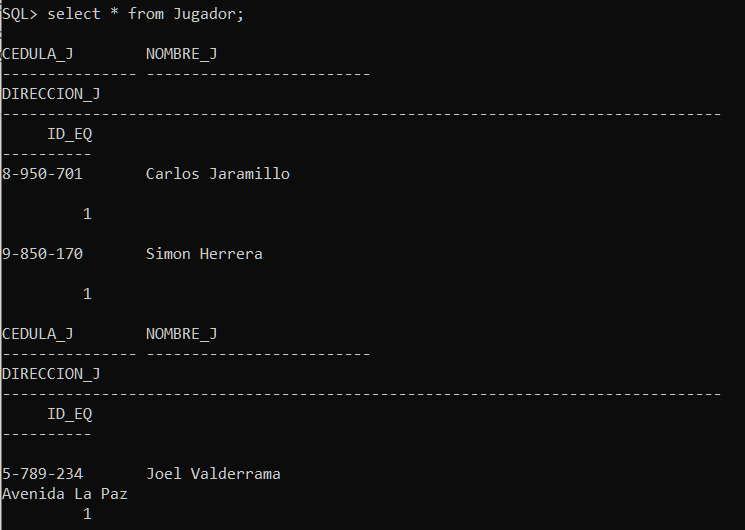
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Datos de la tabla Equipo:



Datos de la tabla Jugador:



Datos de la tabla telefono\_entrenador:

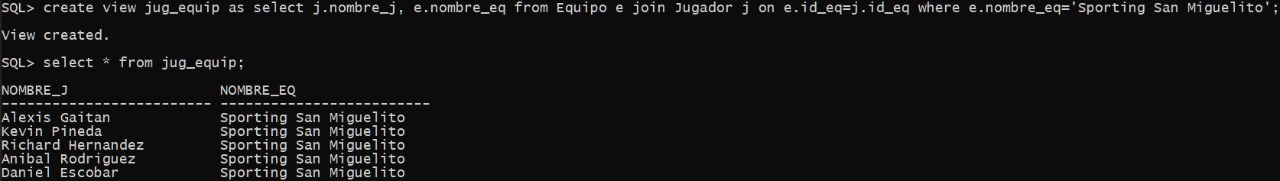


Datos de la tabla telefono\_jugador:

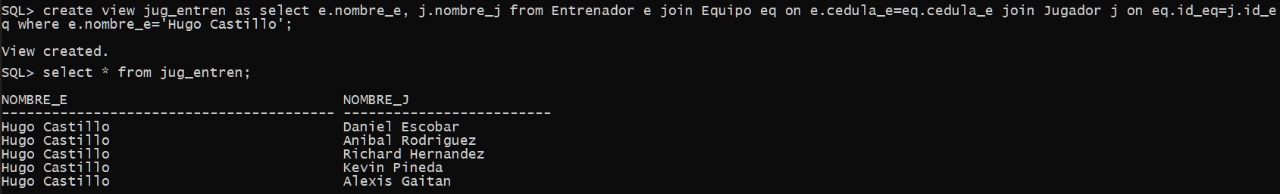


**Vistas**

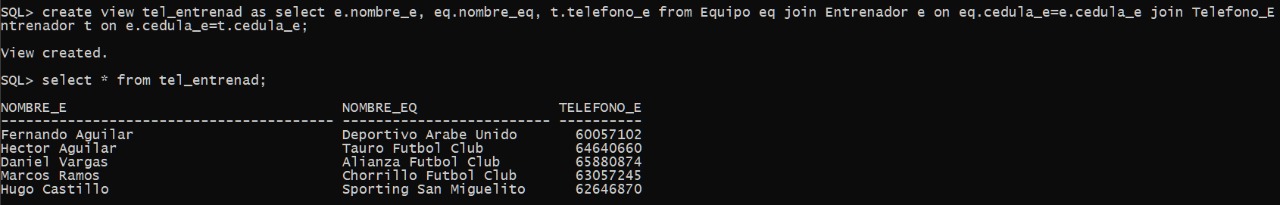
1. Nombre de jugadores que juegan en el Sporting de San Miguelito



1. Jugadores entrenados por Hugo Castillo



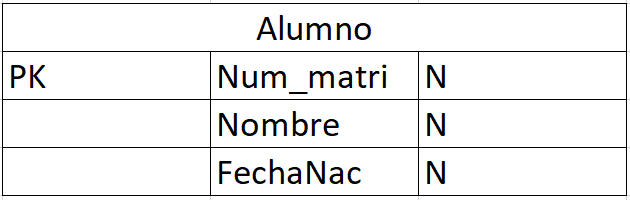
1. Nombre de entrenadores, equipo al que entrenan y sus teléfonos

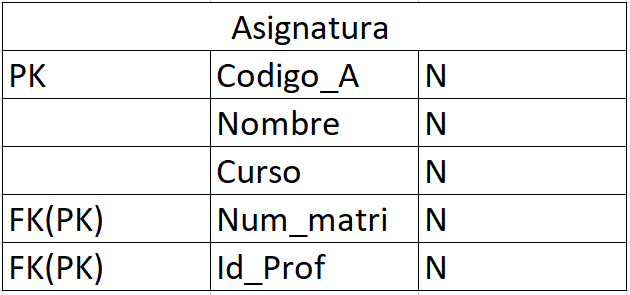


**Imagen que contiene texto, pizarrón

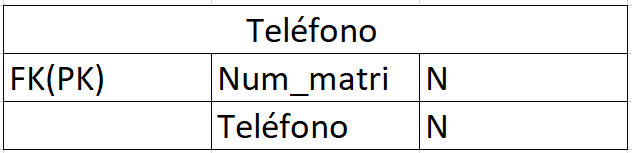
Descripción generada automáticamenteProblema #2 – Estudiantes y Profesores**

**Modelo Lógico Relacional Normalizado**





(2,5)

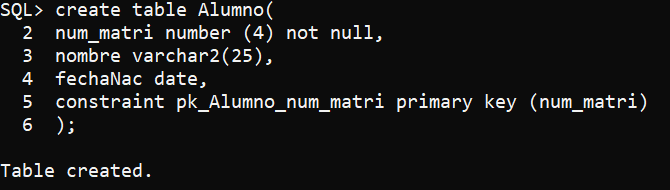


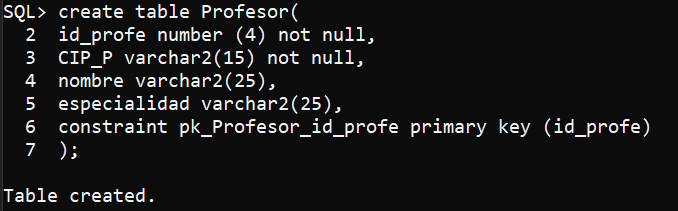
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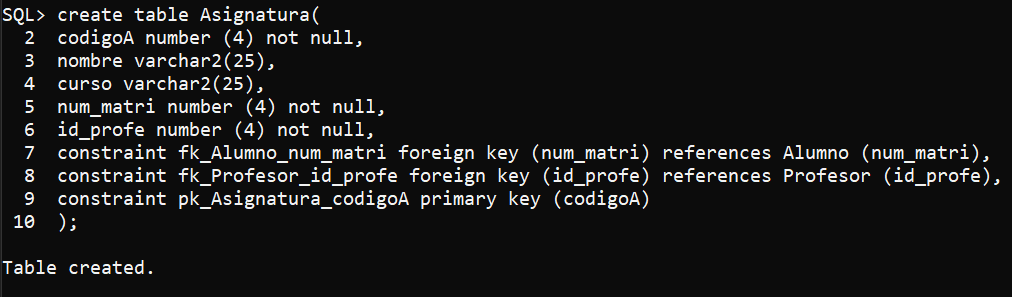




**CREACIÓN DE TABLAS**

Tabla Alumno

Tabla Profesor

Tabla Asignatura

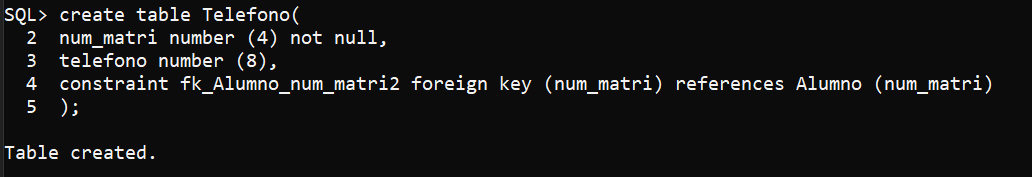
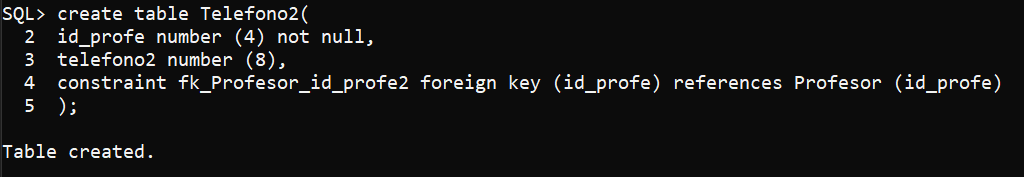
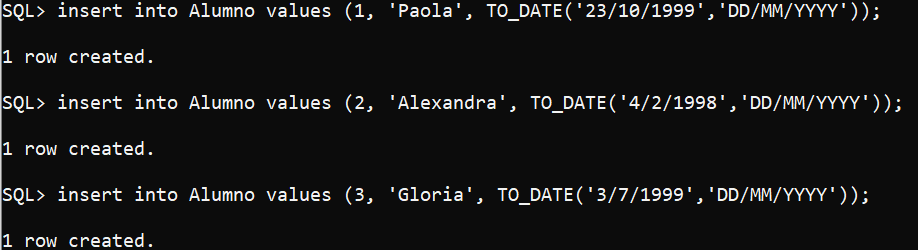
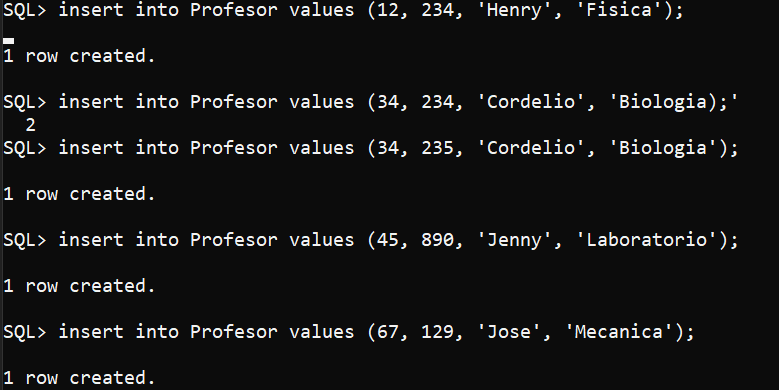
Tabla Teléfono

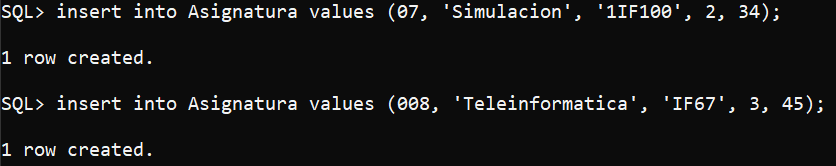
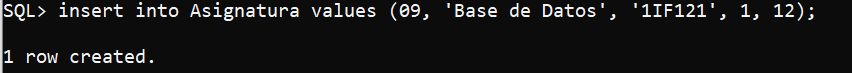
Tabla Telefono2

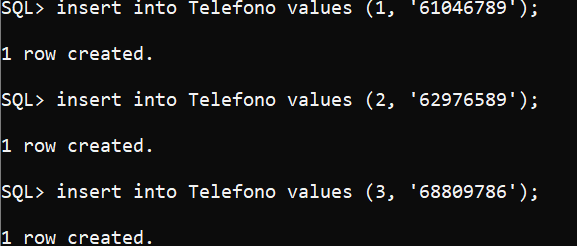


**INSERTAR DATOS**

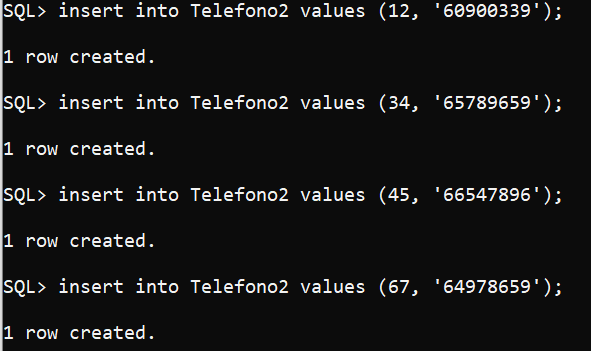
**Tabla Alumno**

**Tabla Profesor**

**Tabla Asignatura**

**Tabla teléfono**

**Tabla Telefono2**



**CONSULTAS DE TABLA**

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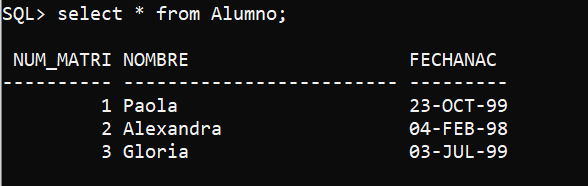


Tabla Profesor

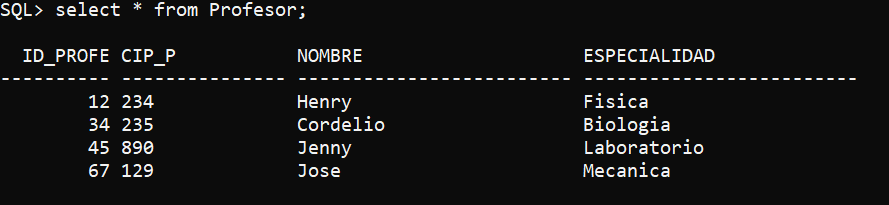
Tabla Asignatura



Tabla Telefono

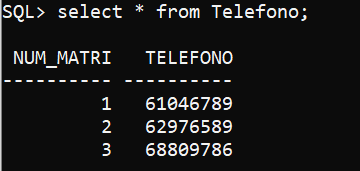
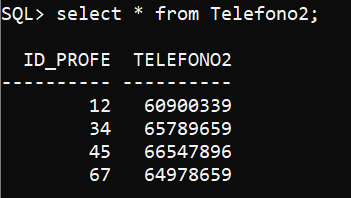


Tabla Telefono2



**VISTAS**

1**.** Consulta del nombre de Estudiante y a qué curso pertenece.

Imagen que contiene captura de pantalla

Descripción generada automáticamente

2. Consulta del nombre del Profesor y a qué curso imparte clase.

Imagen que contiene captura de pantalla

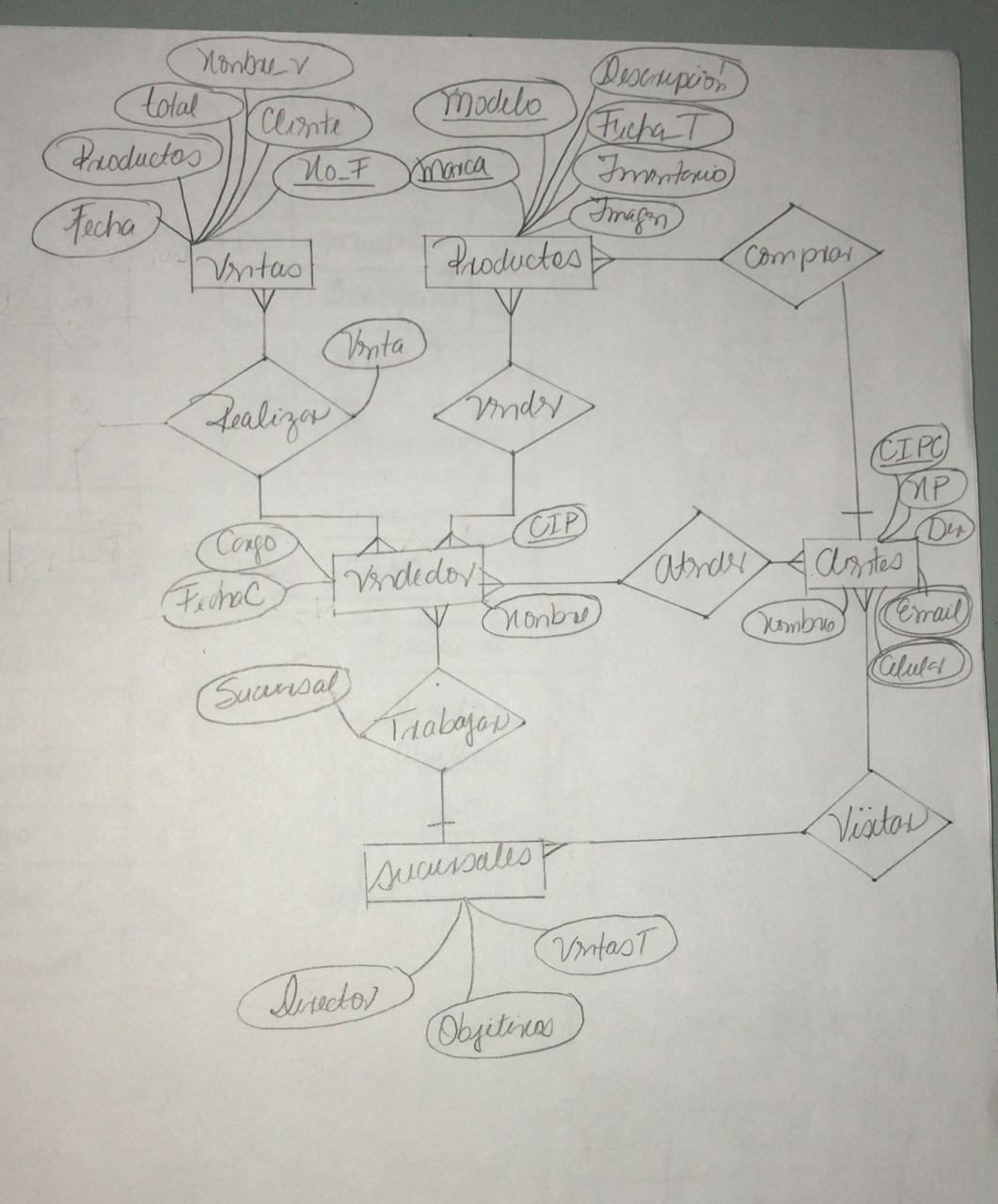
Descripción generada automáticamente

3. Consulta del nombre del Profesor y el número de teléfono

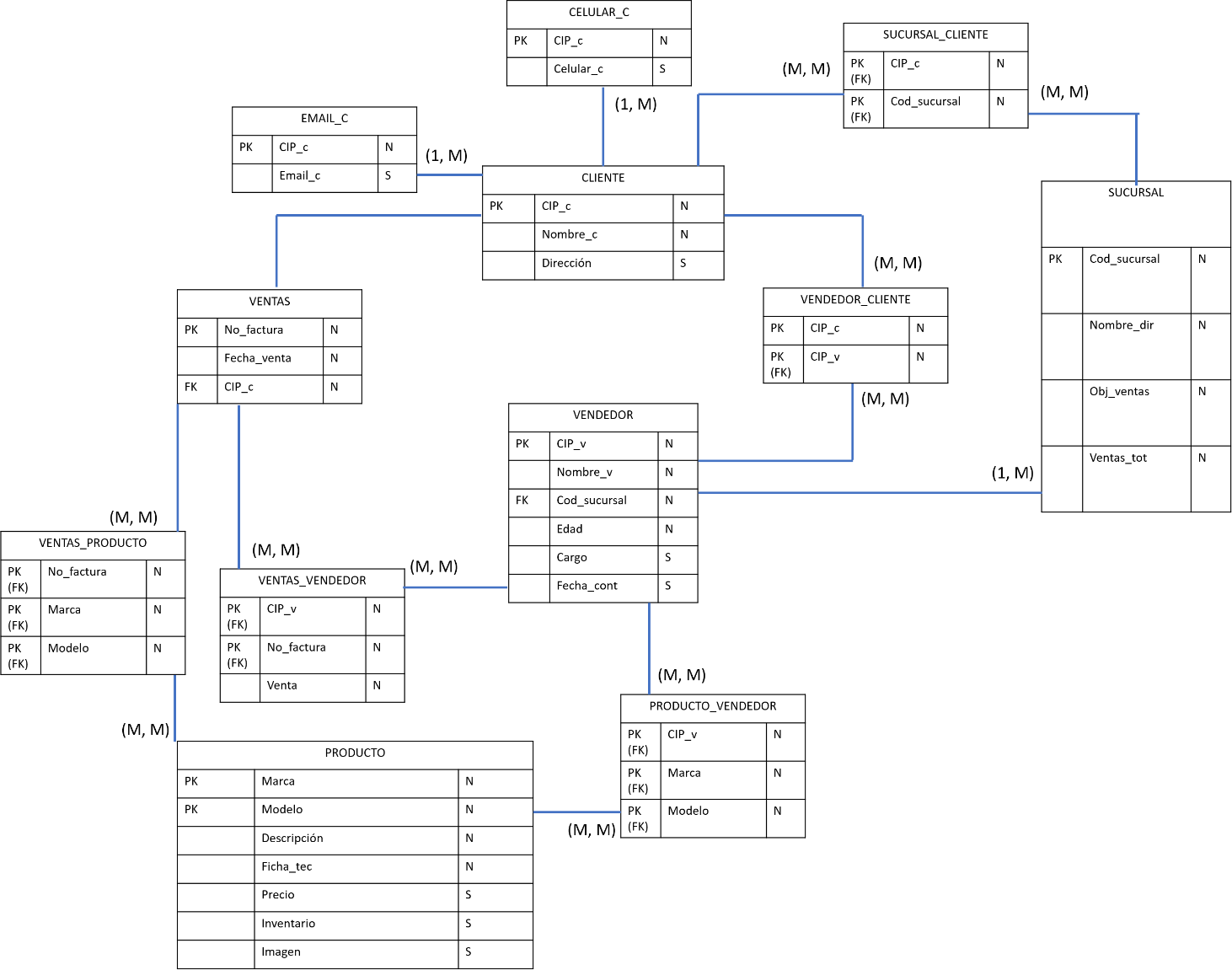
**Captura de pantalla de un celular con letras

Descripción generada automáticamente**

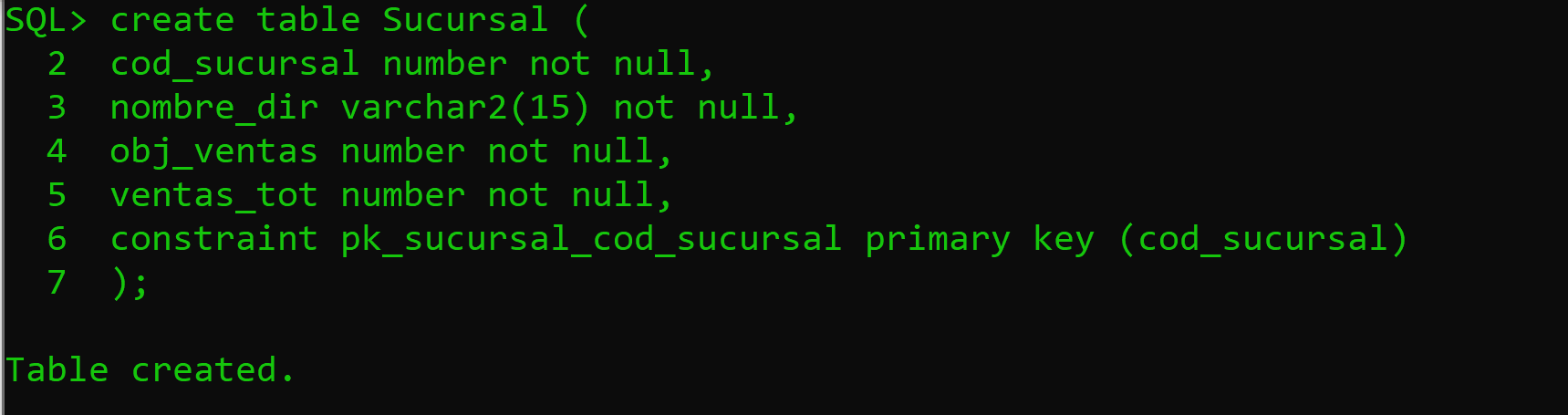
**Problema #3 – Ventas y Sucursales**

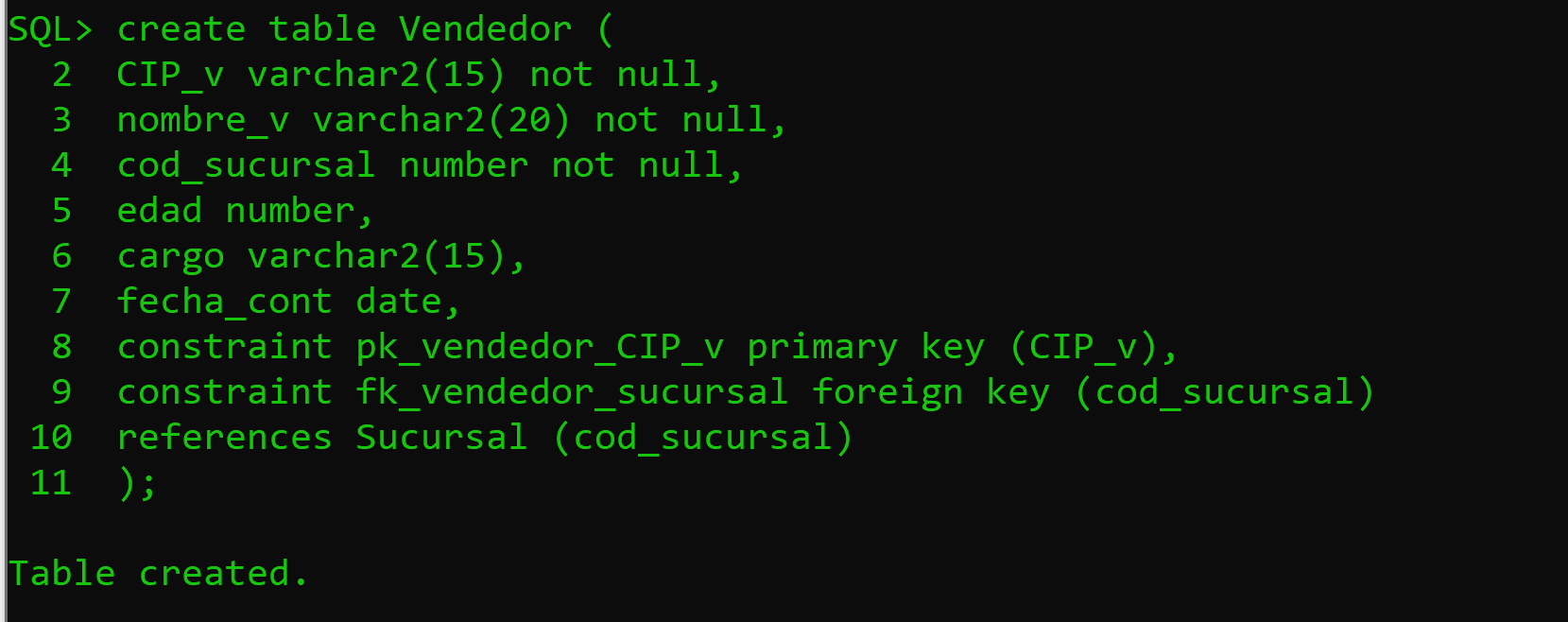


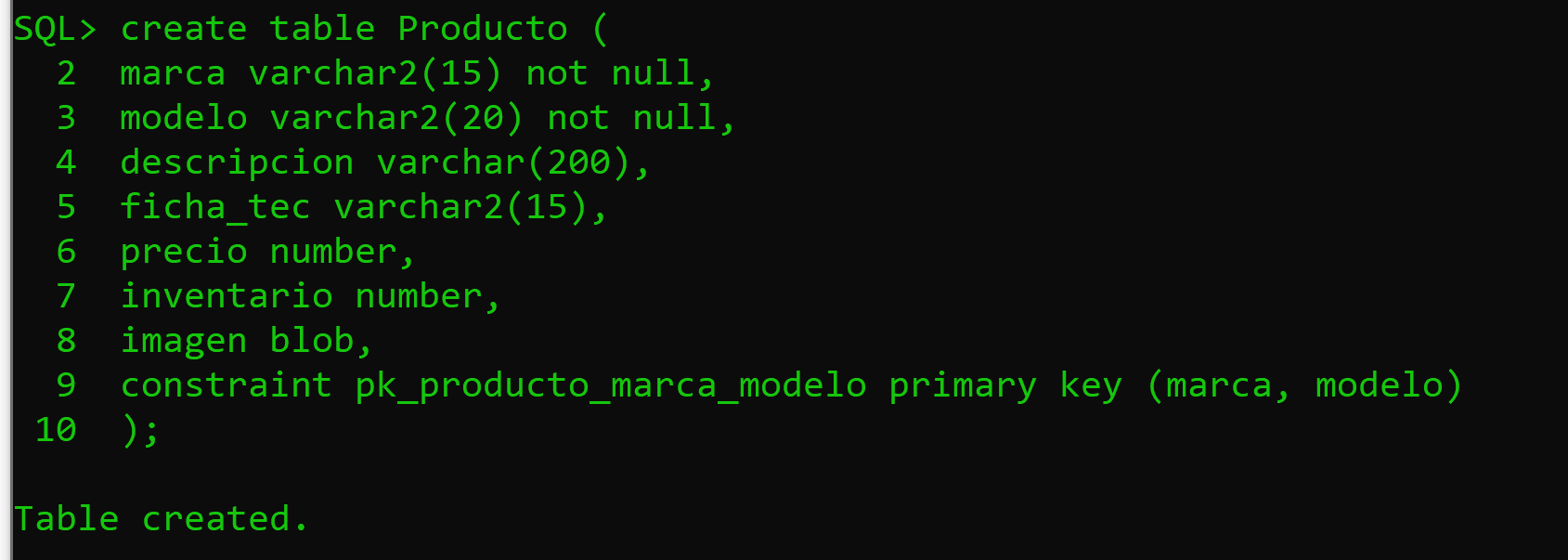
**Modelo Lógico Relacional Normalizado**

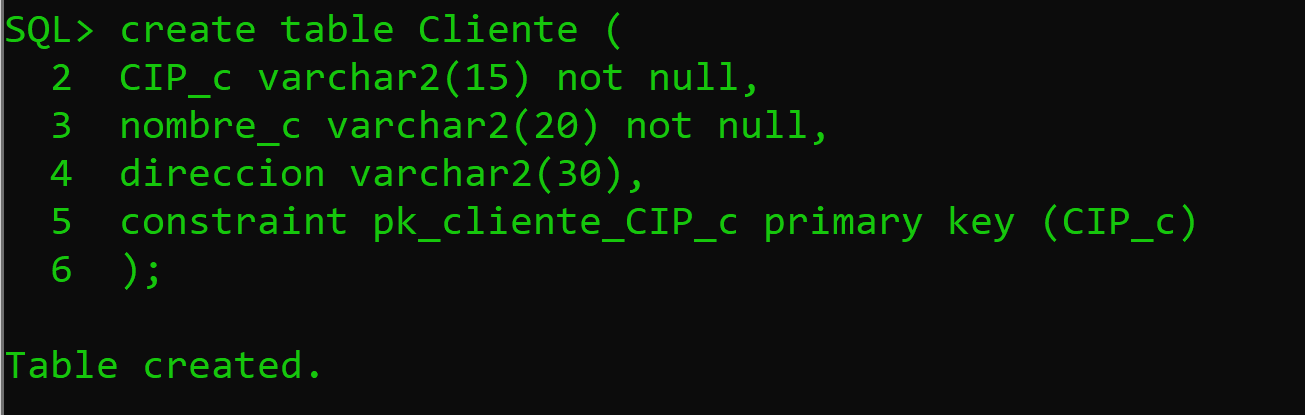


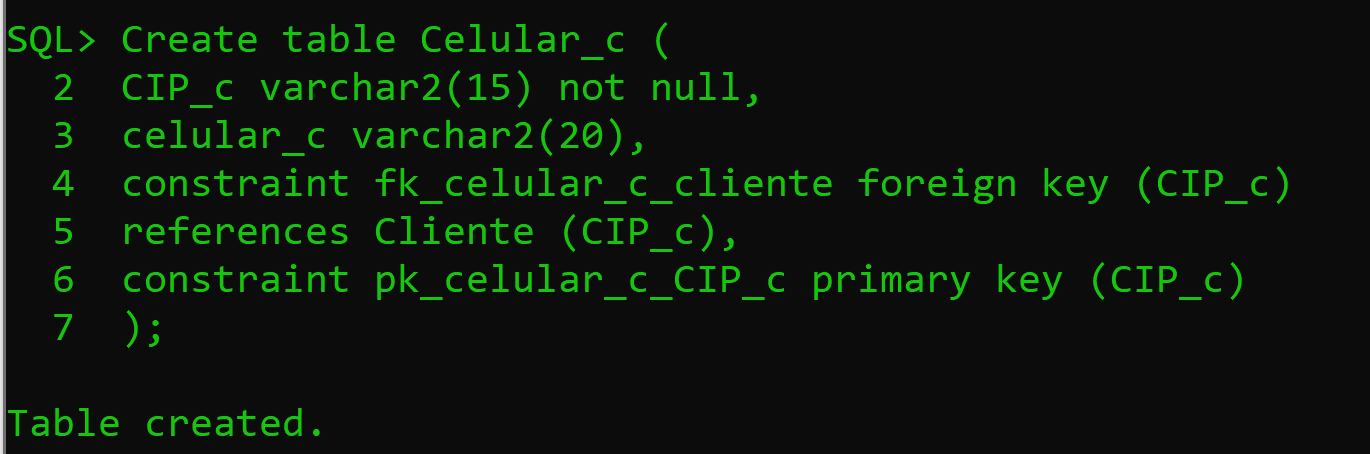
**CREACIÓN DE TABLAS**

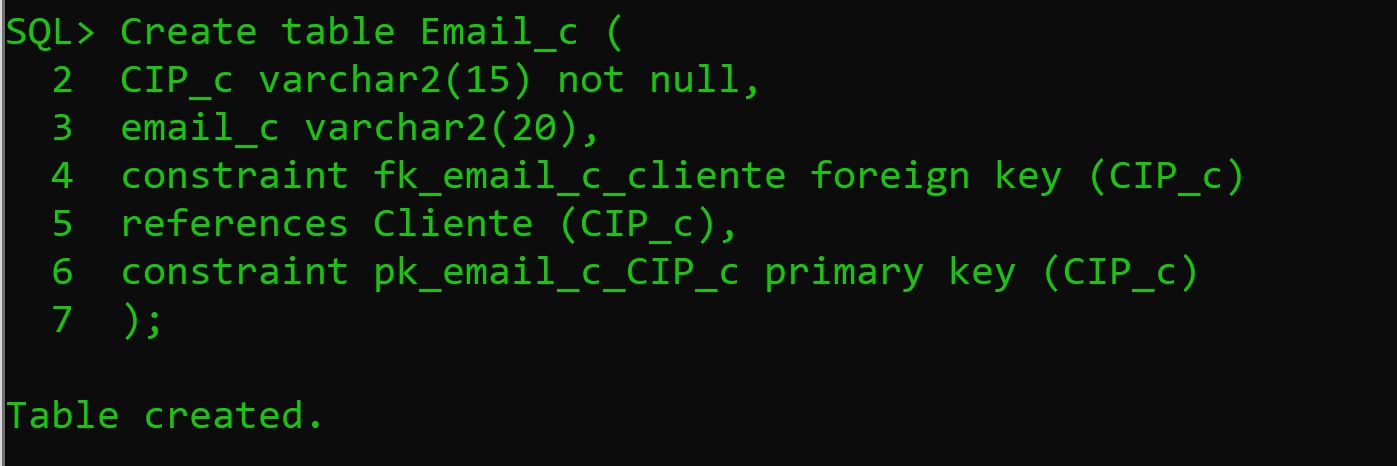




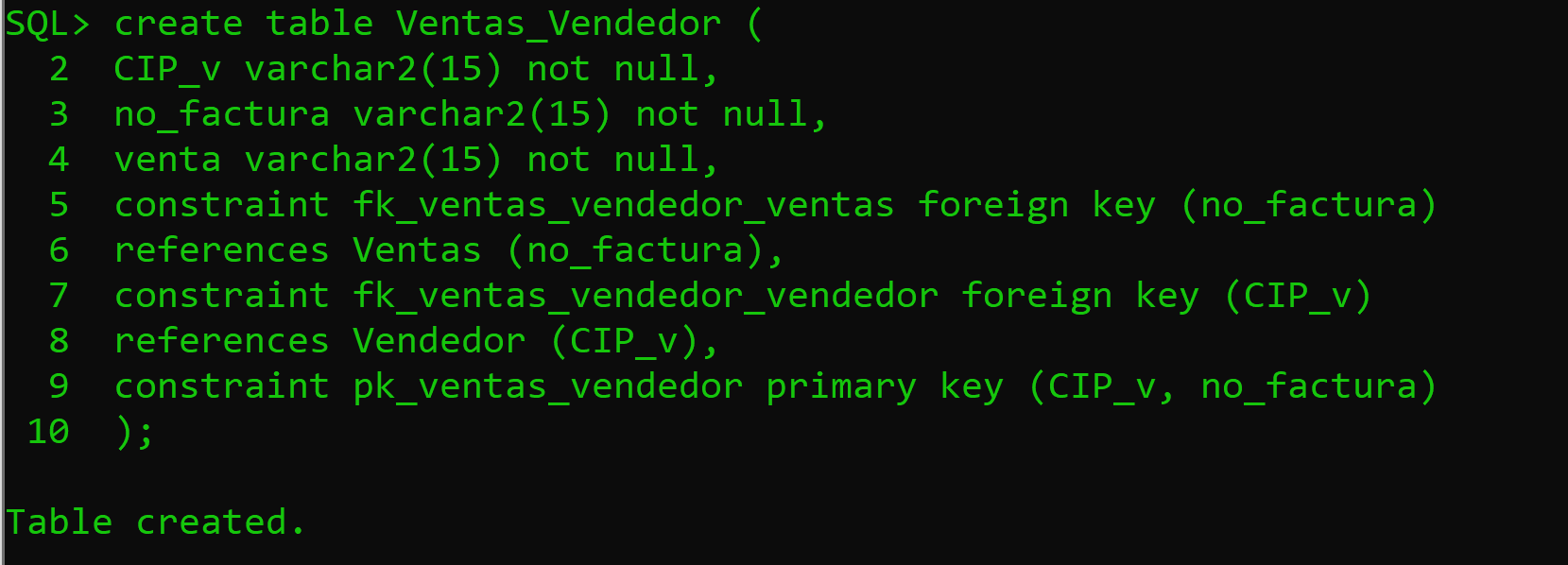


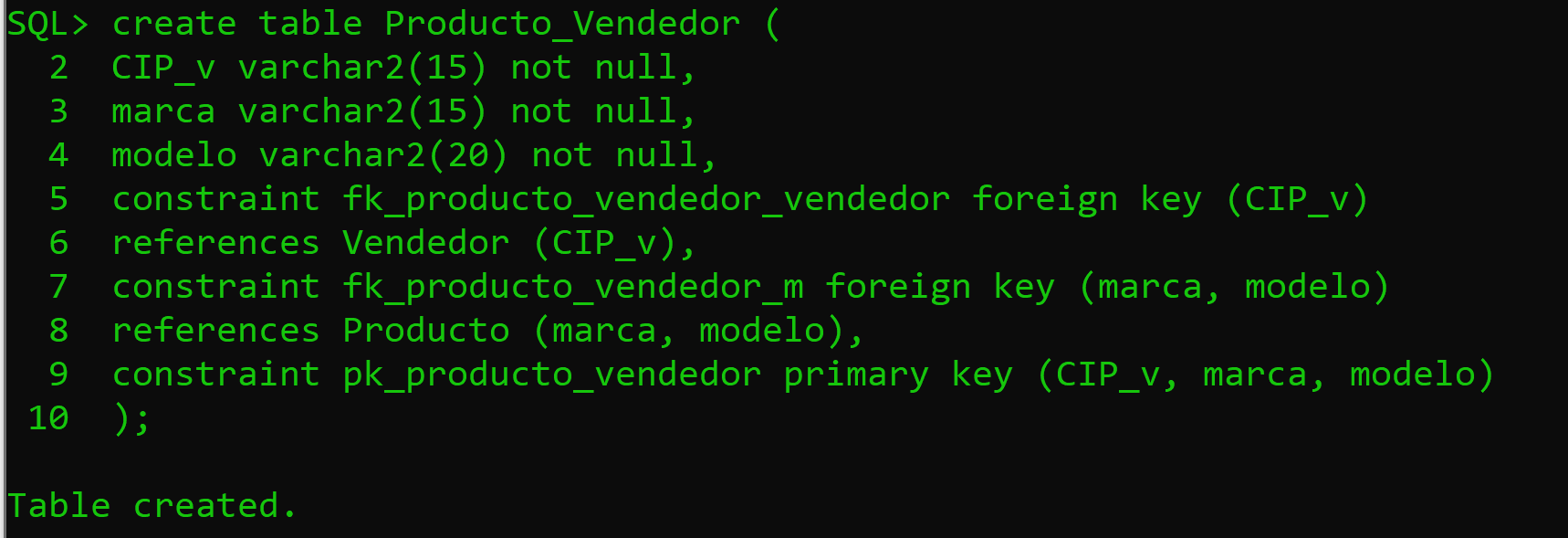


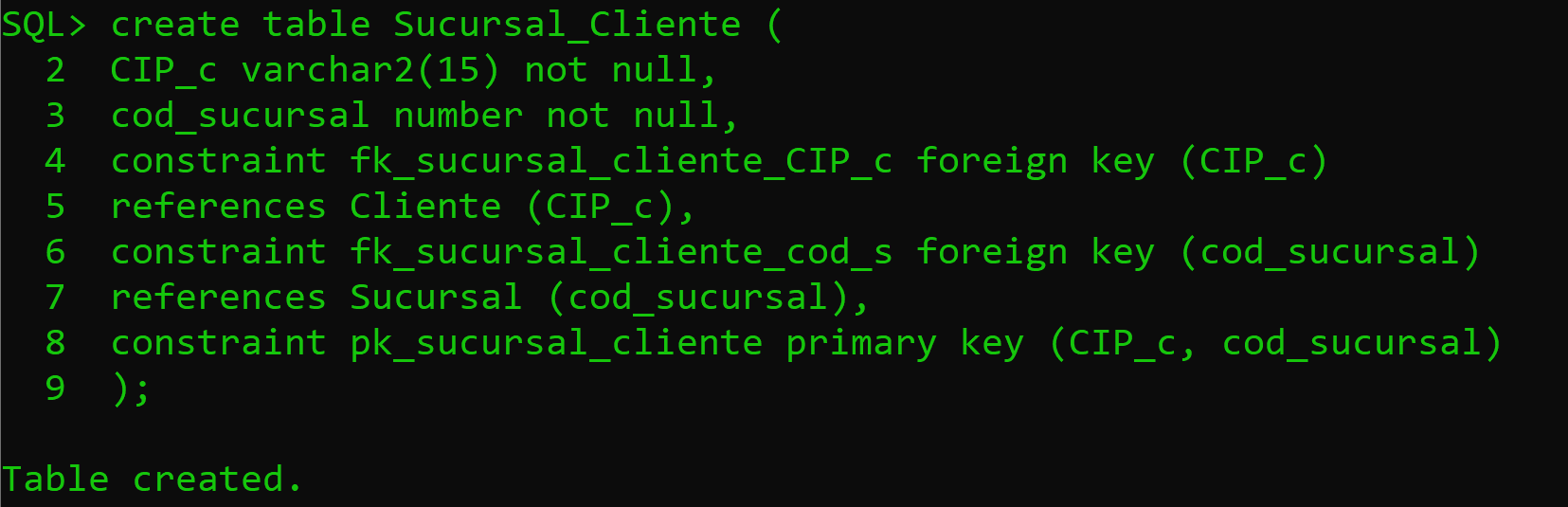


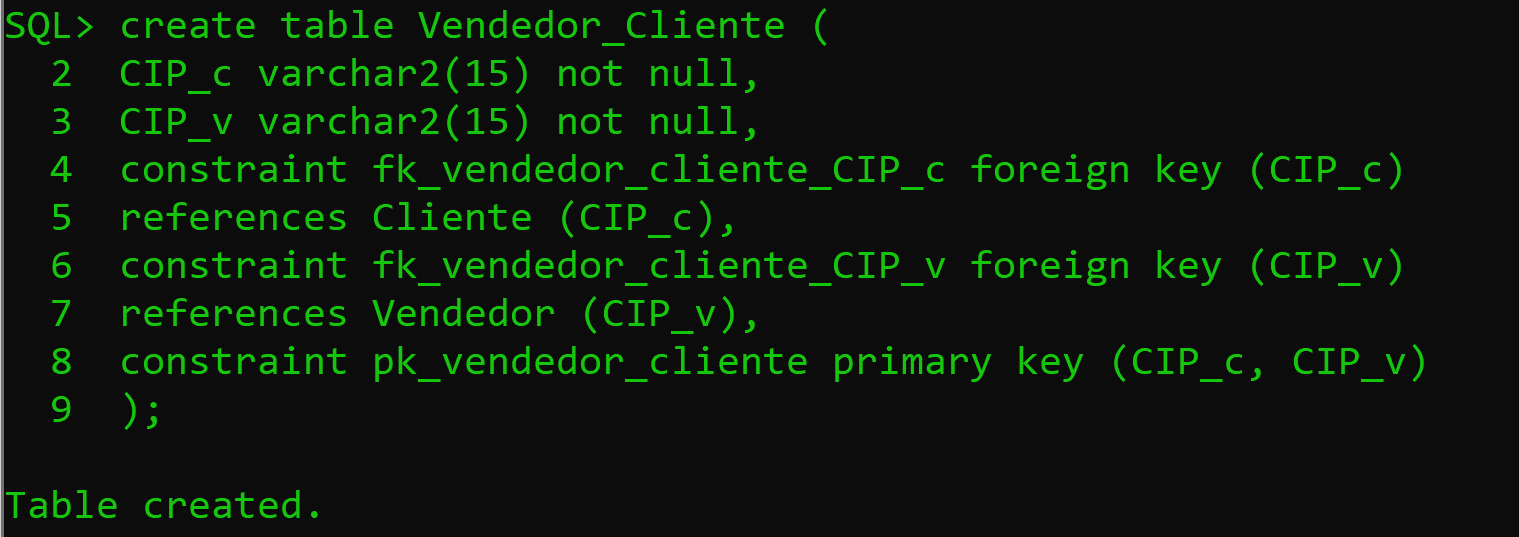


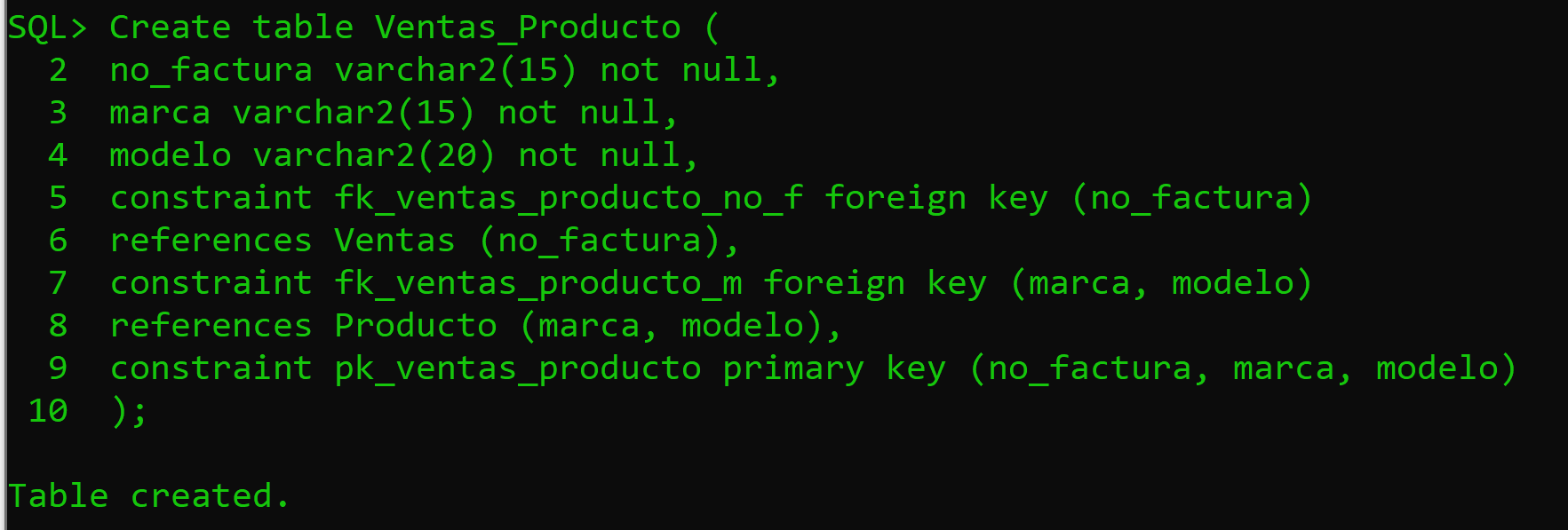






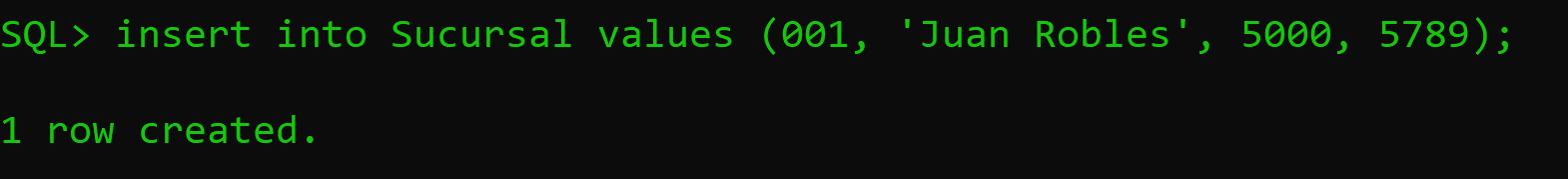


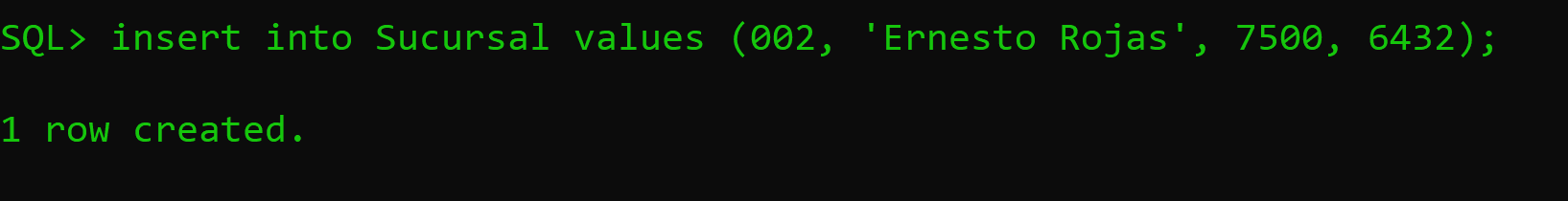


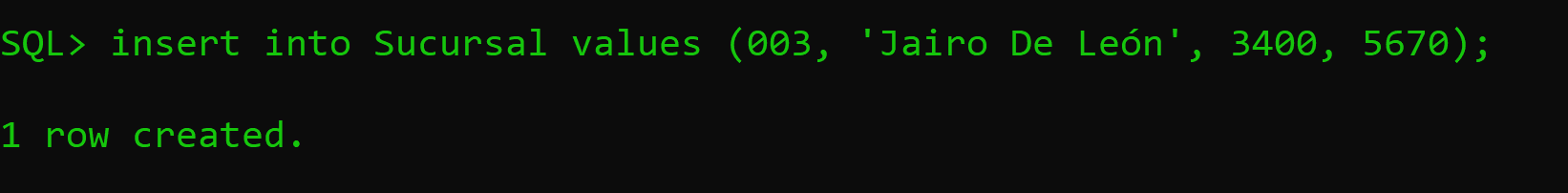


**INSERCIÓN DE DATOS**

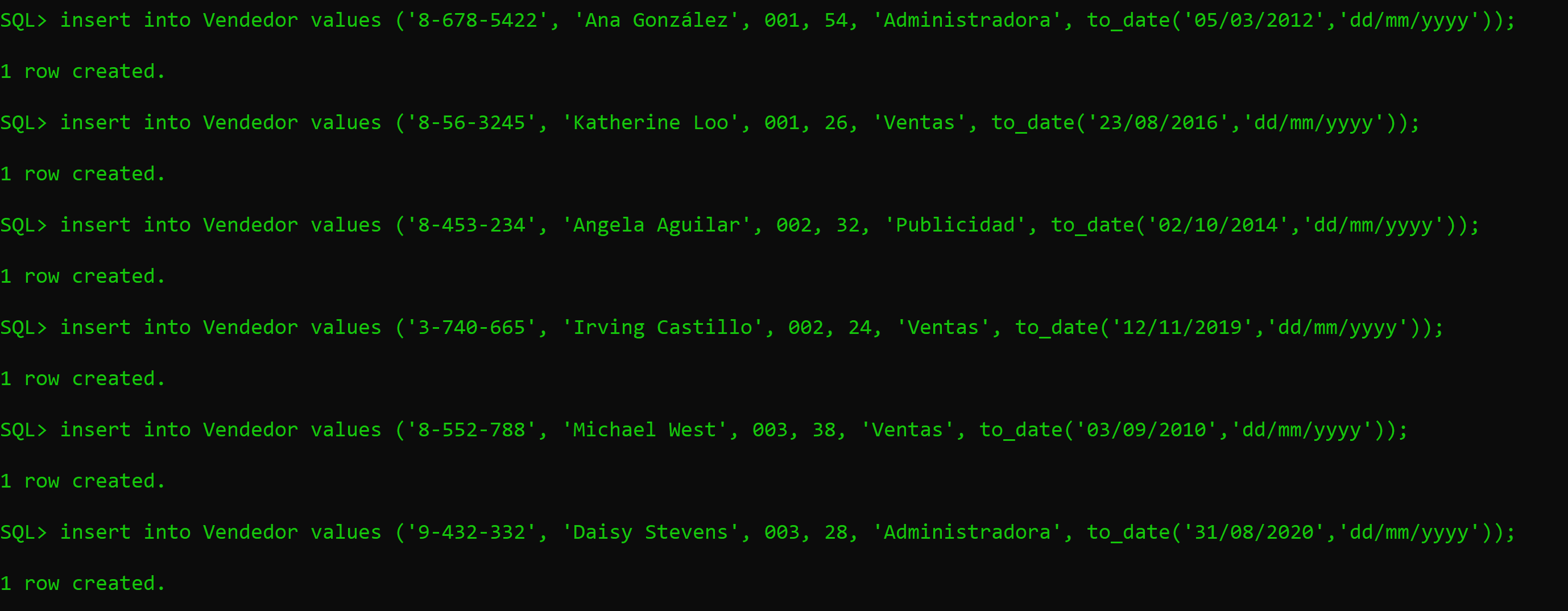
**Tabla Sucursal:**



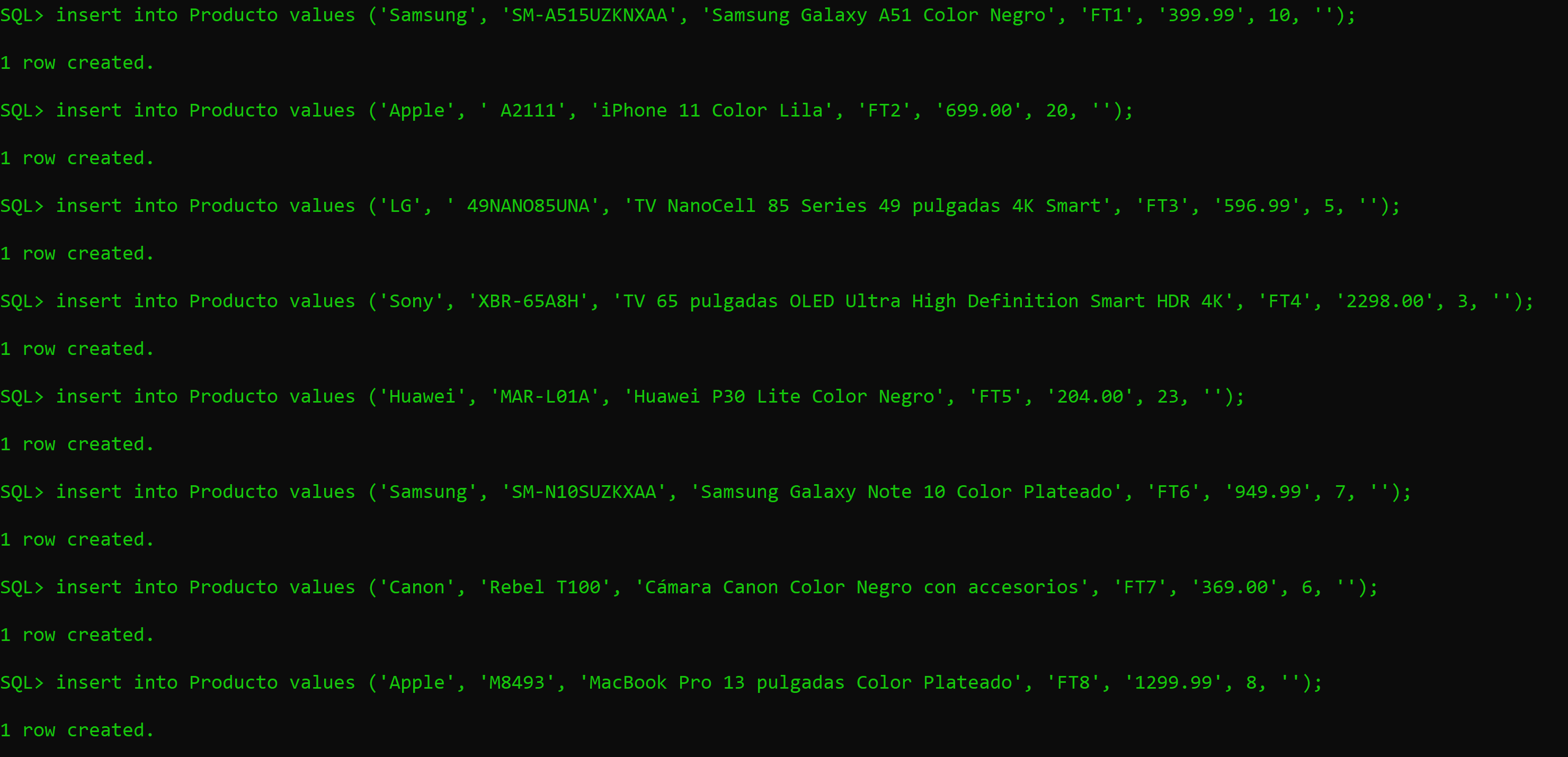




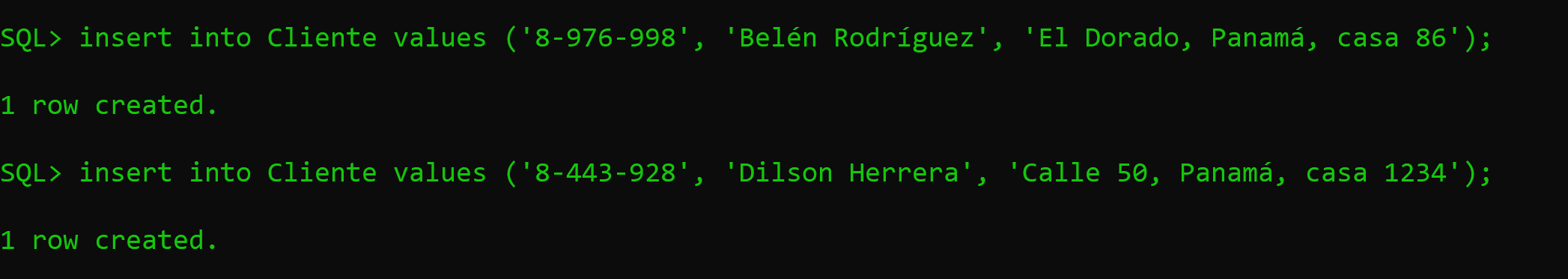
**Tabla Vendedor:**



**Tabla Producto:**

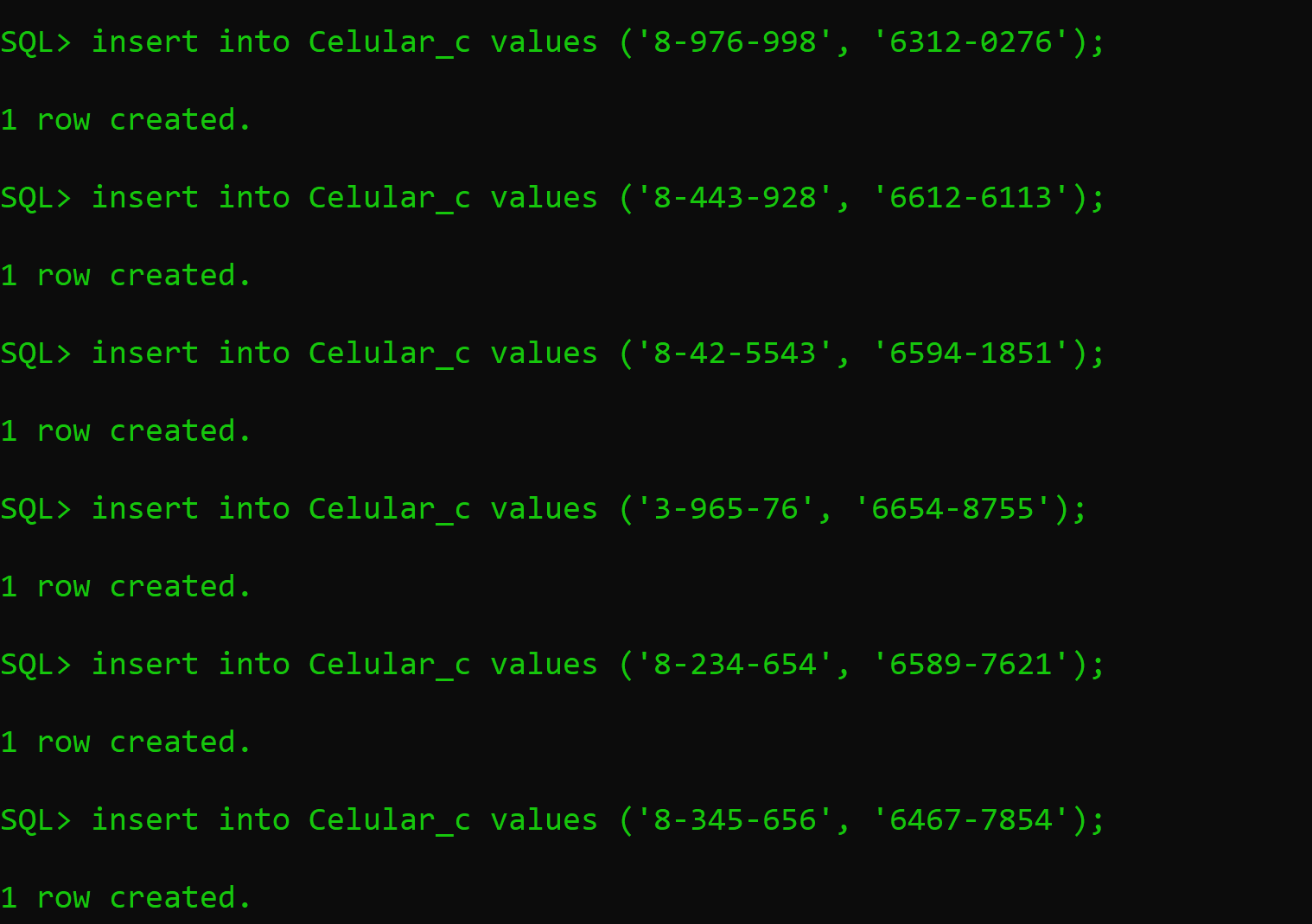


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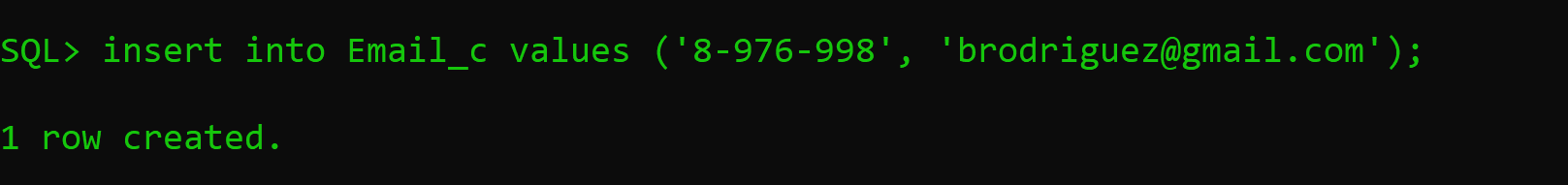


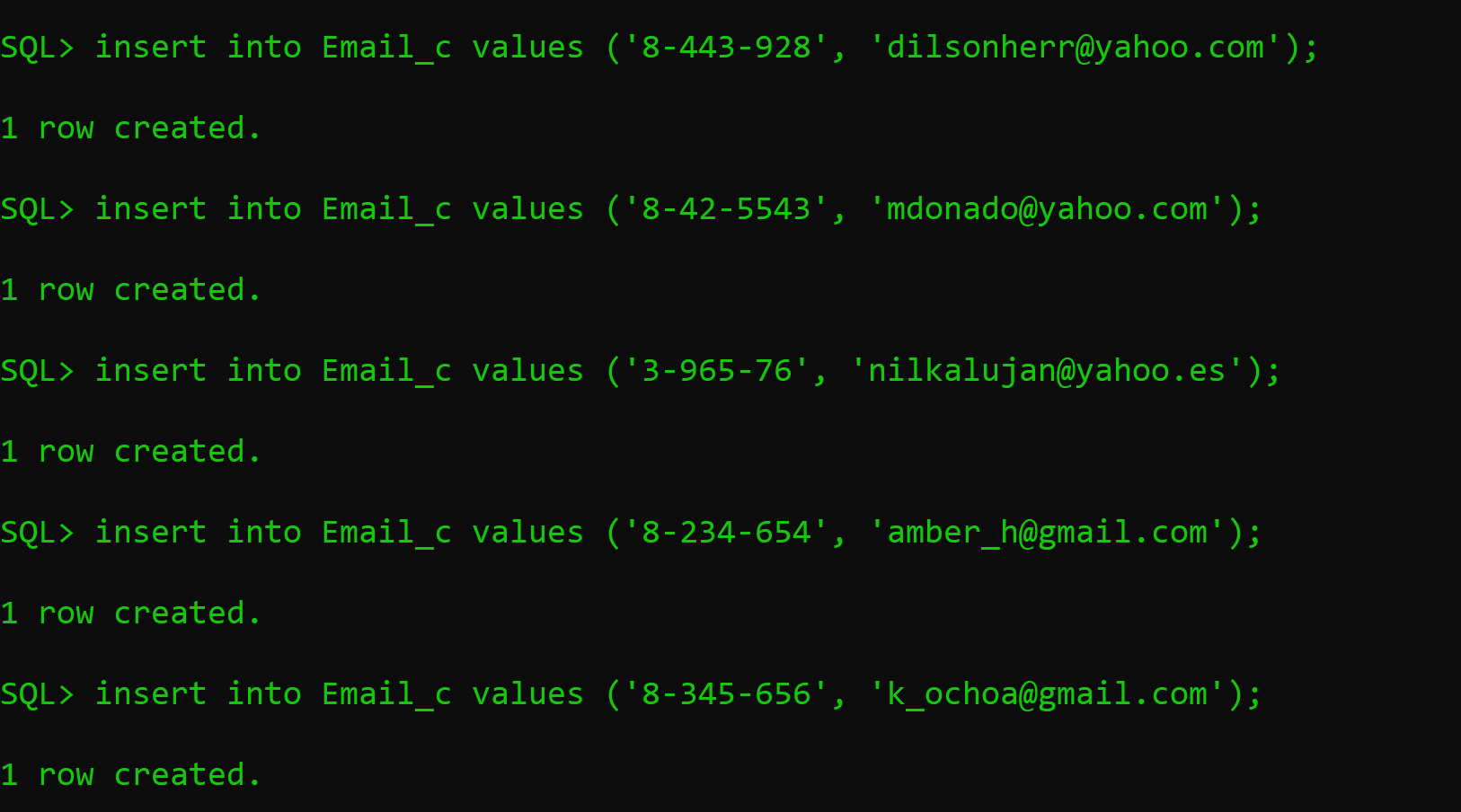


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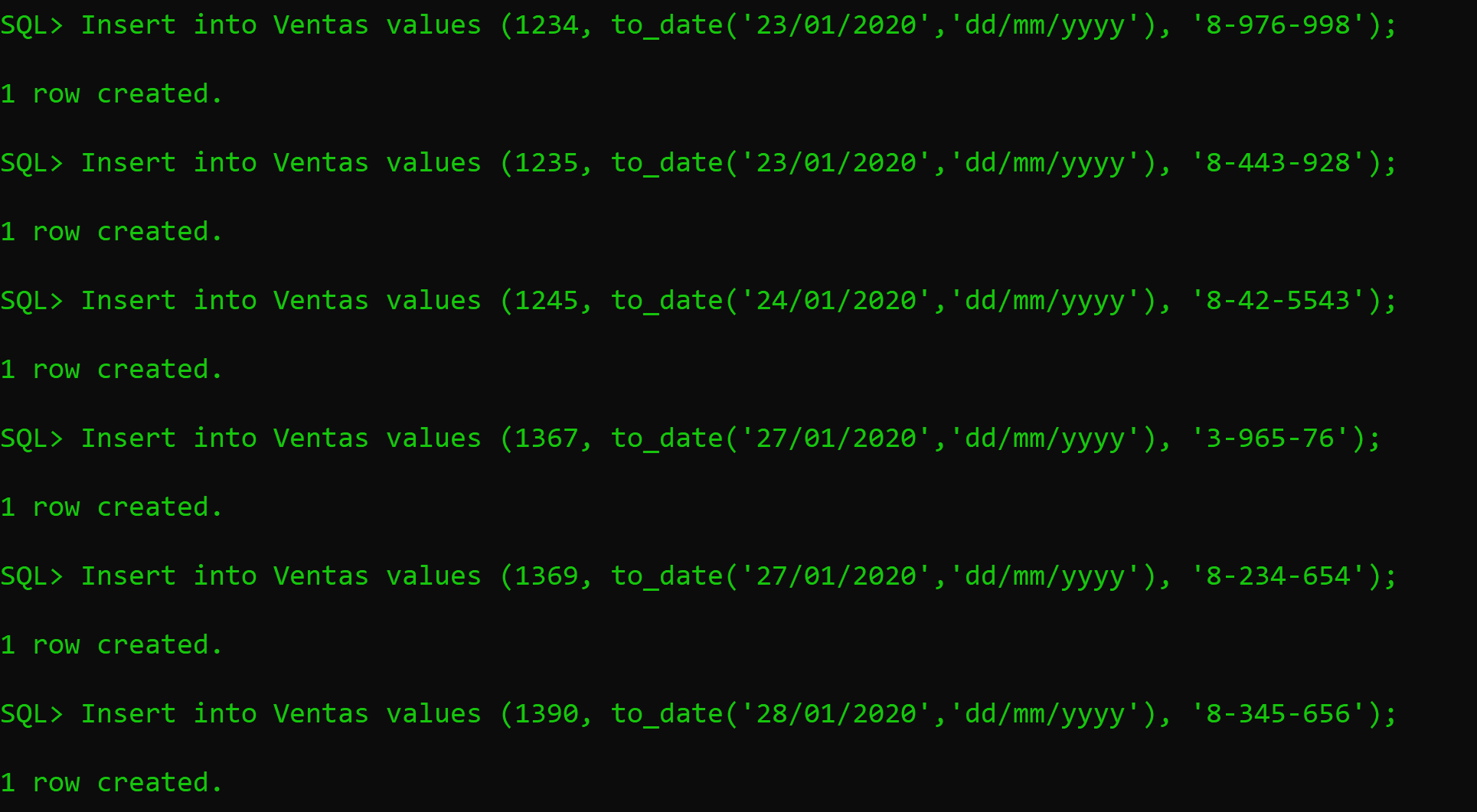


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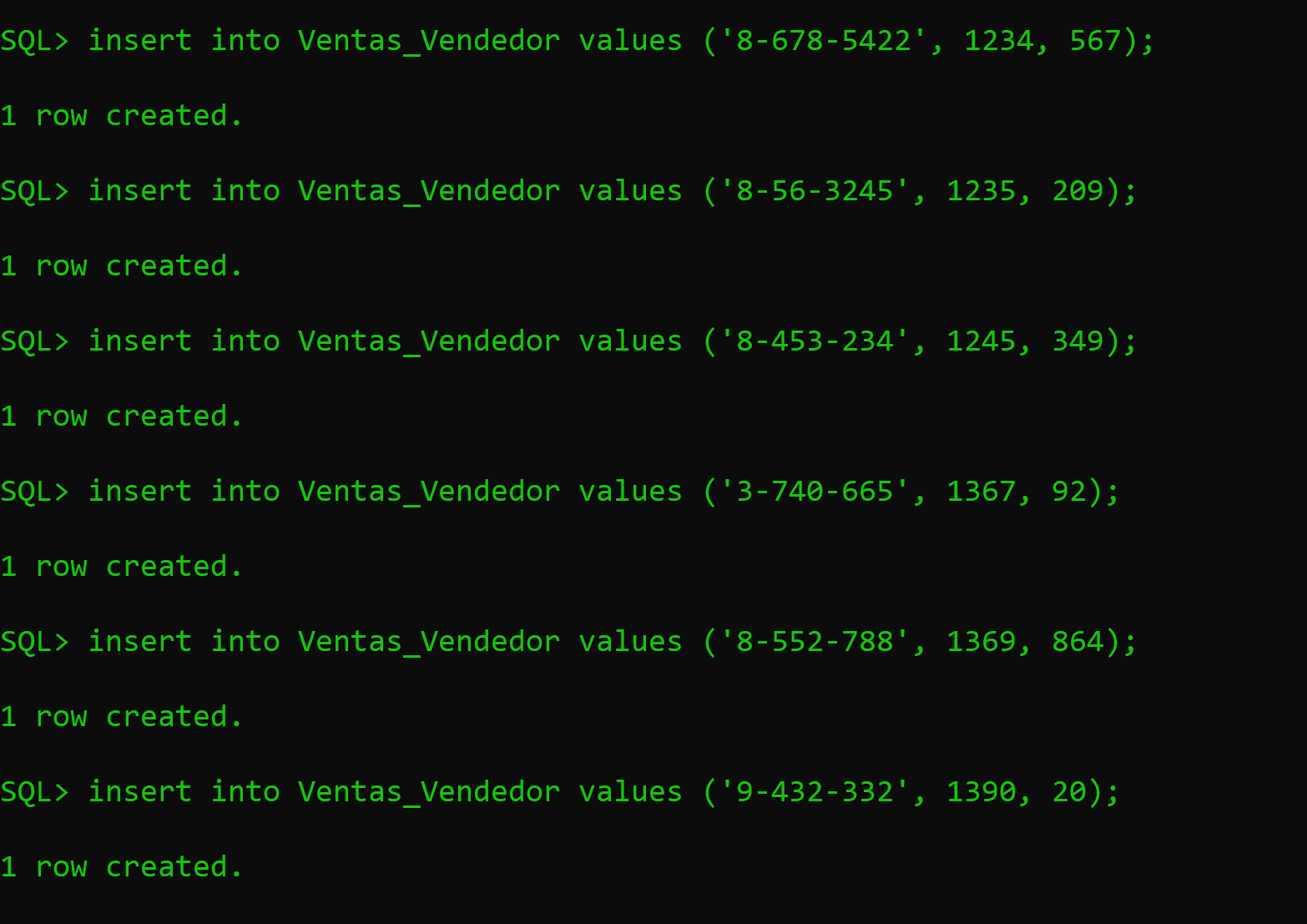




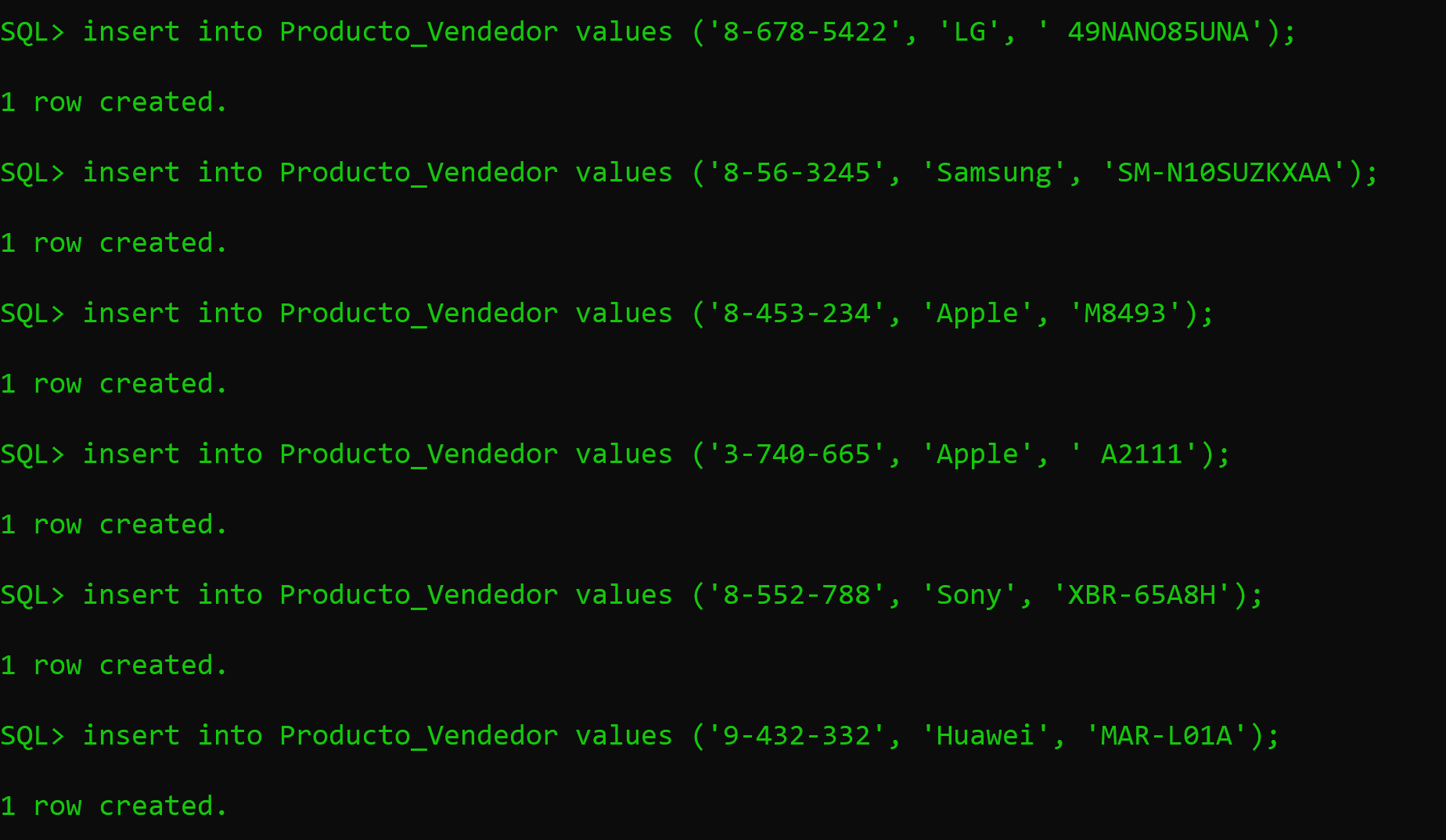
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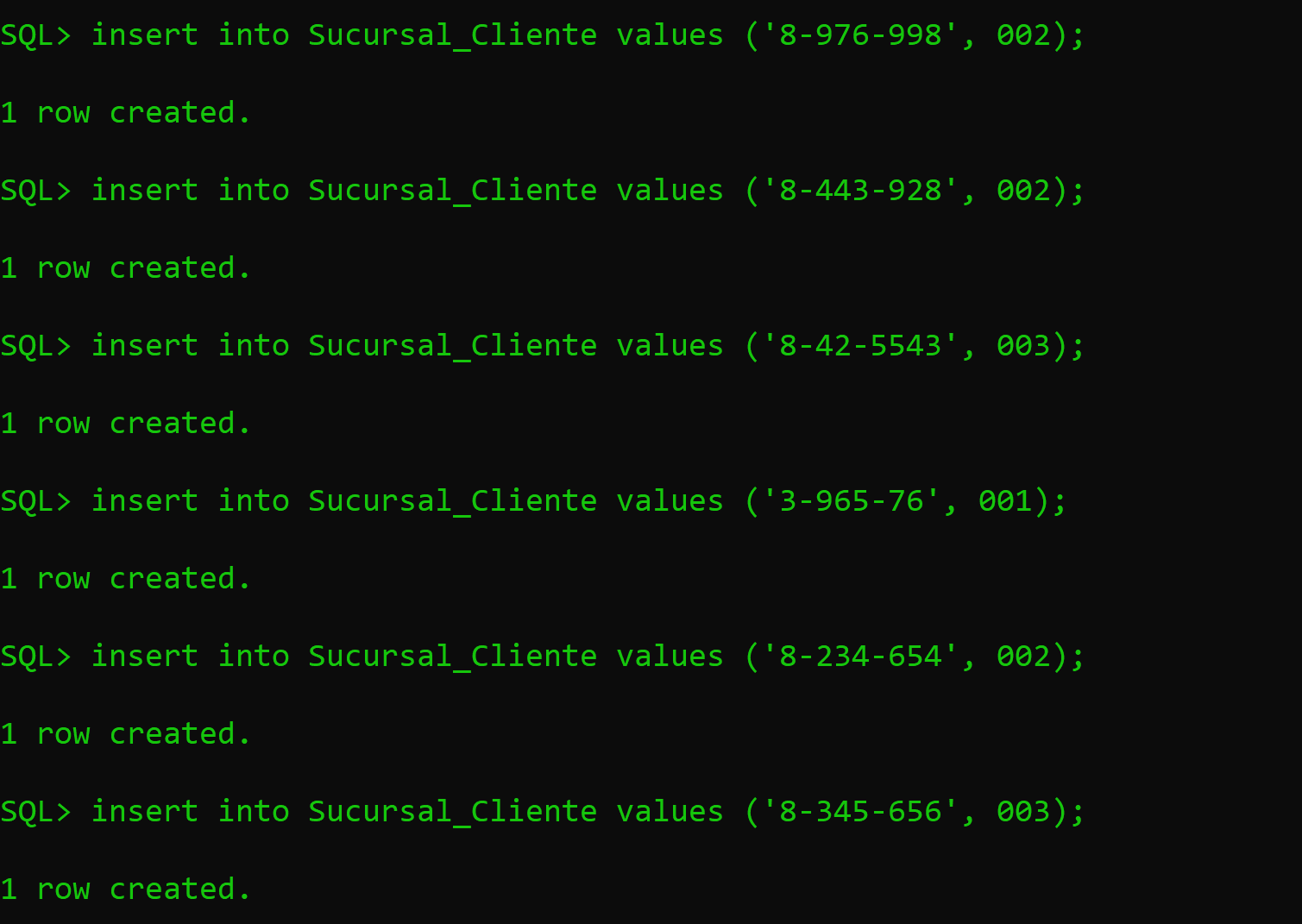
**Tabla Ventas\_Vendedor:**



**Tabla Producto\_Vendedor:**

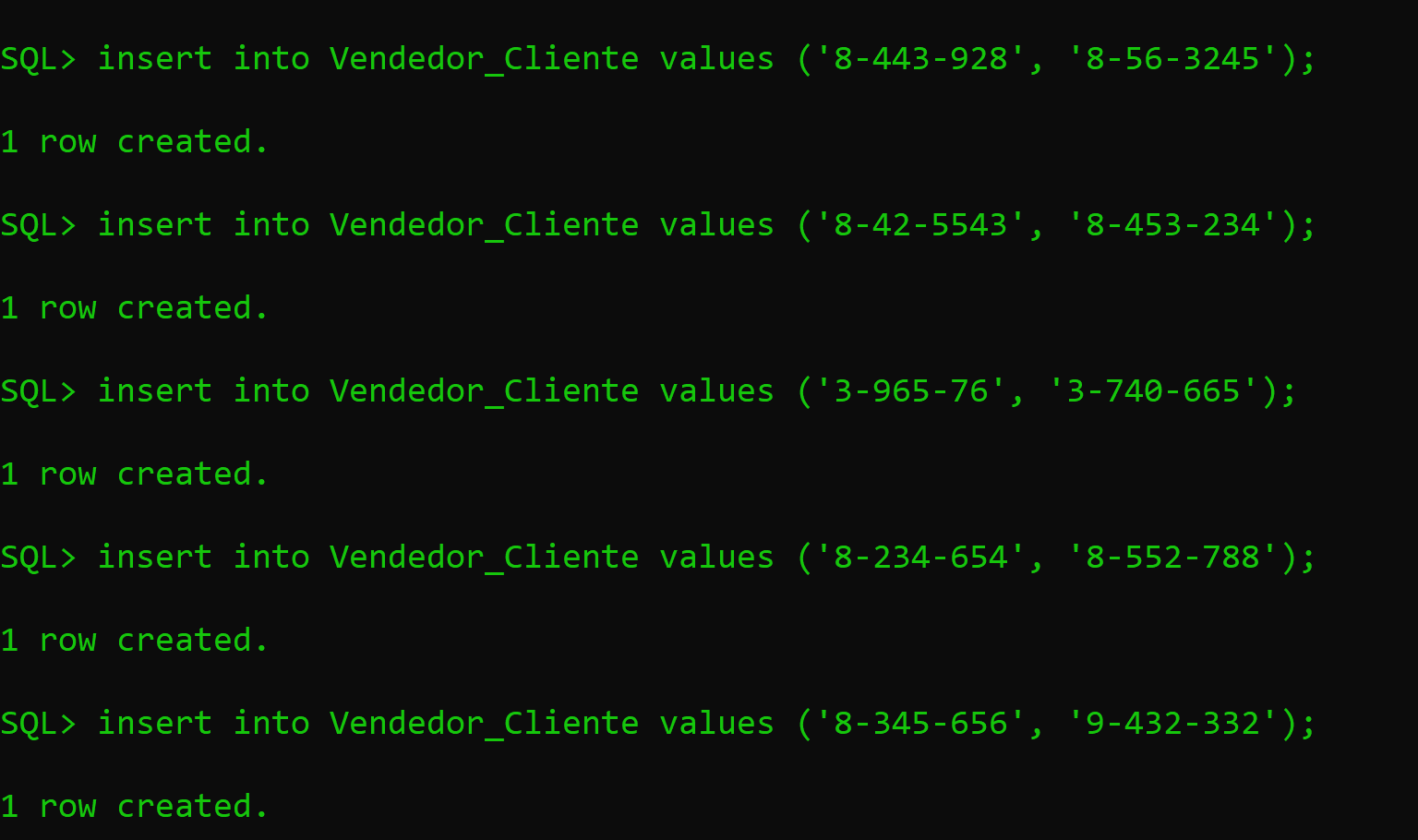


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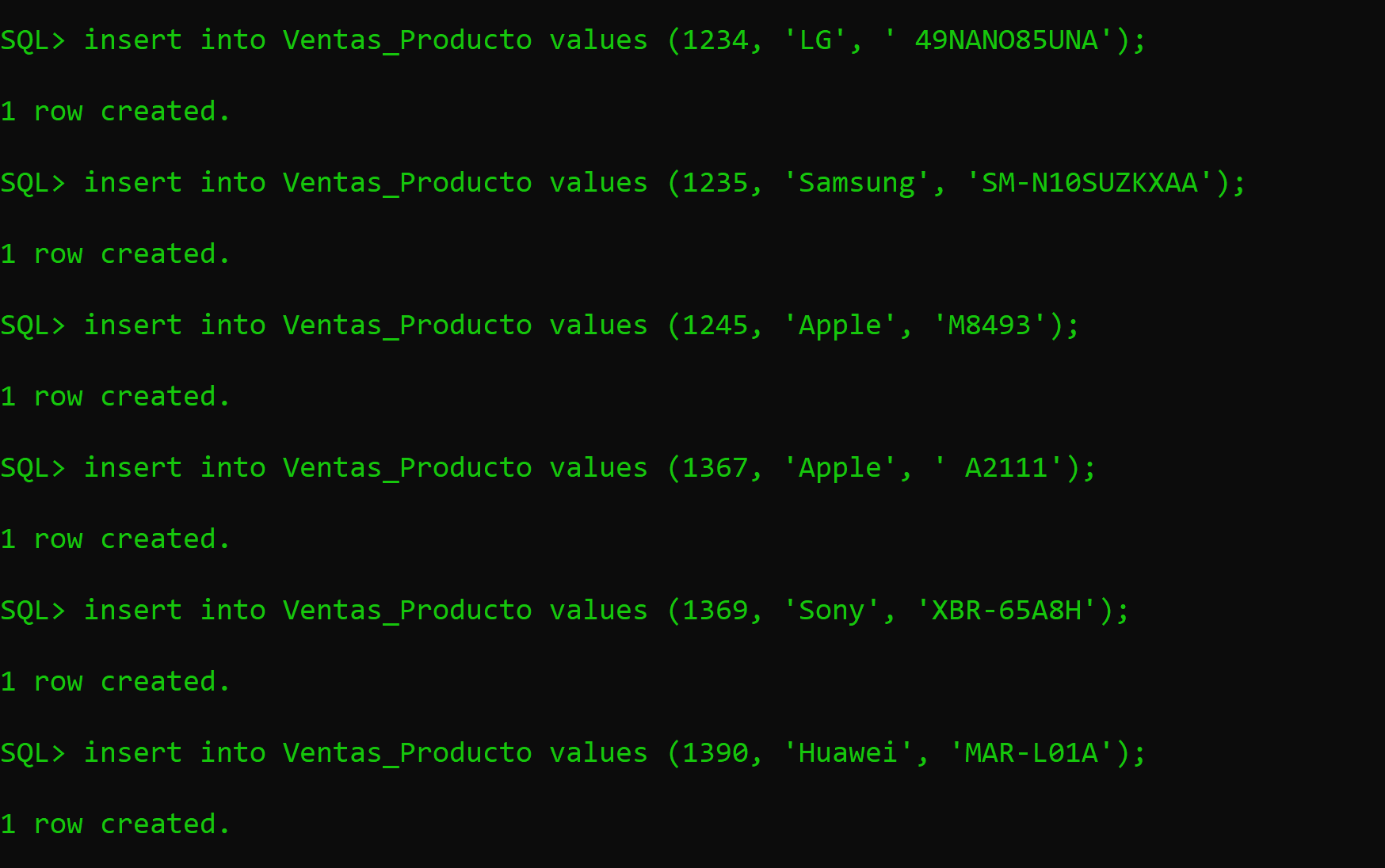


**Tabla Vendedor\_Cliente:**



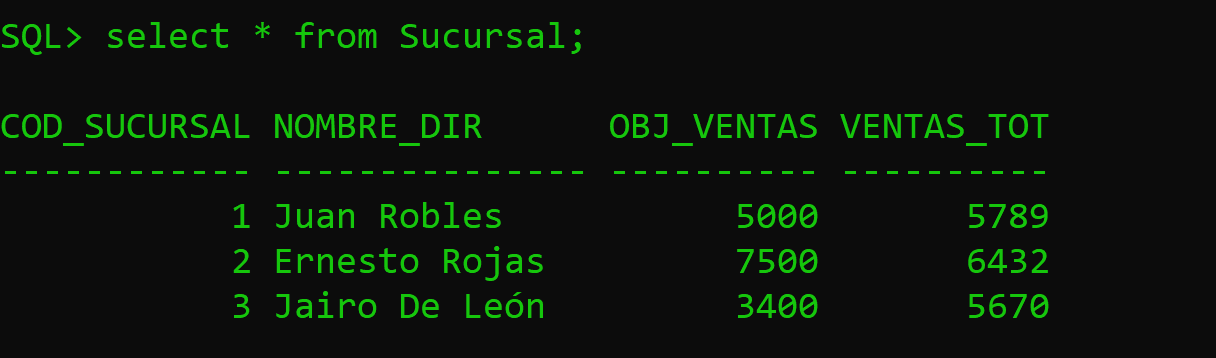


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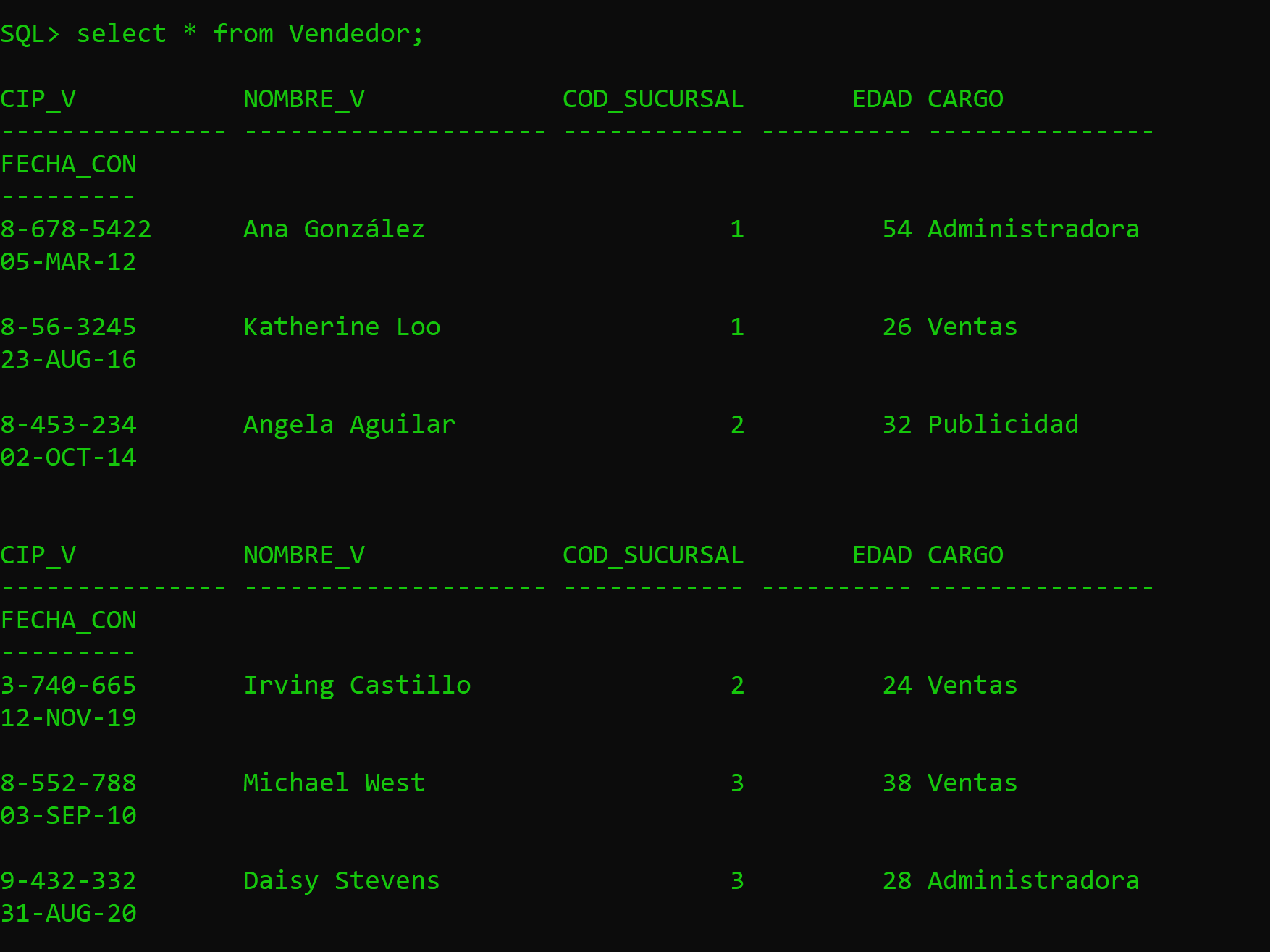


**CONSULTAS**

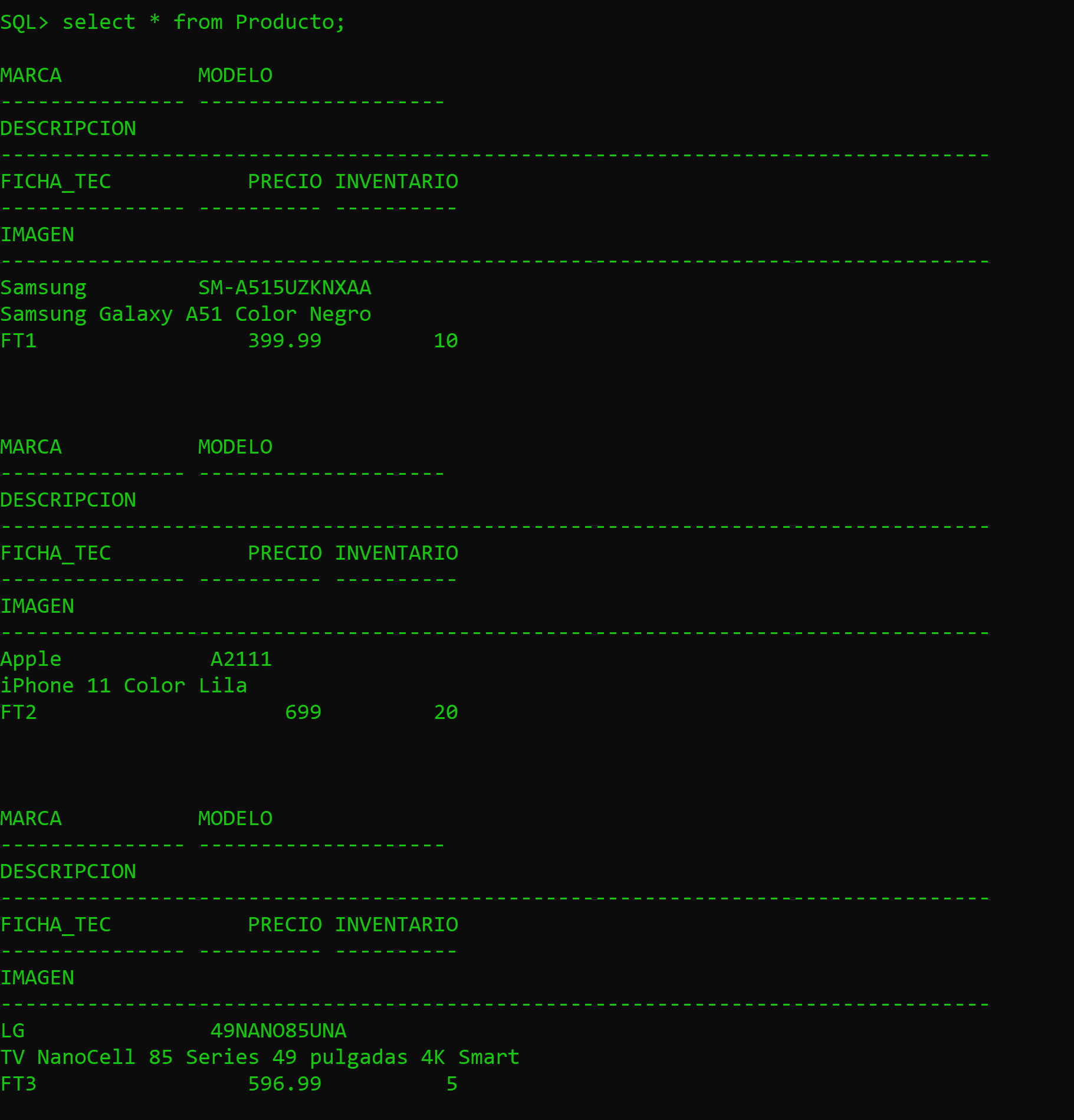
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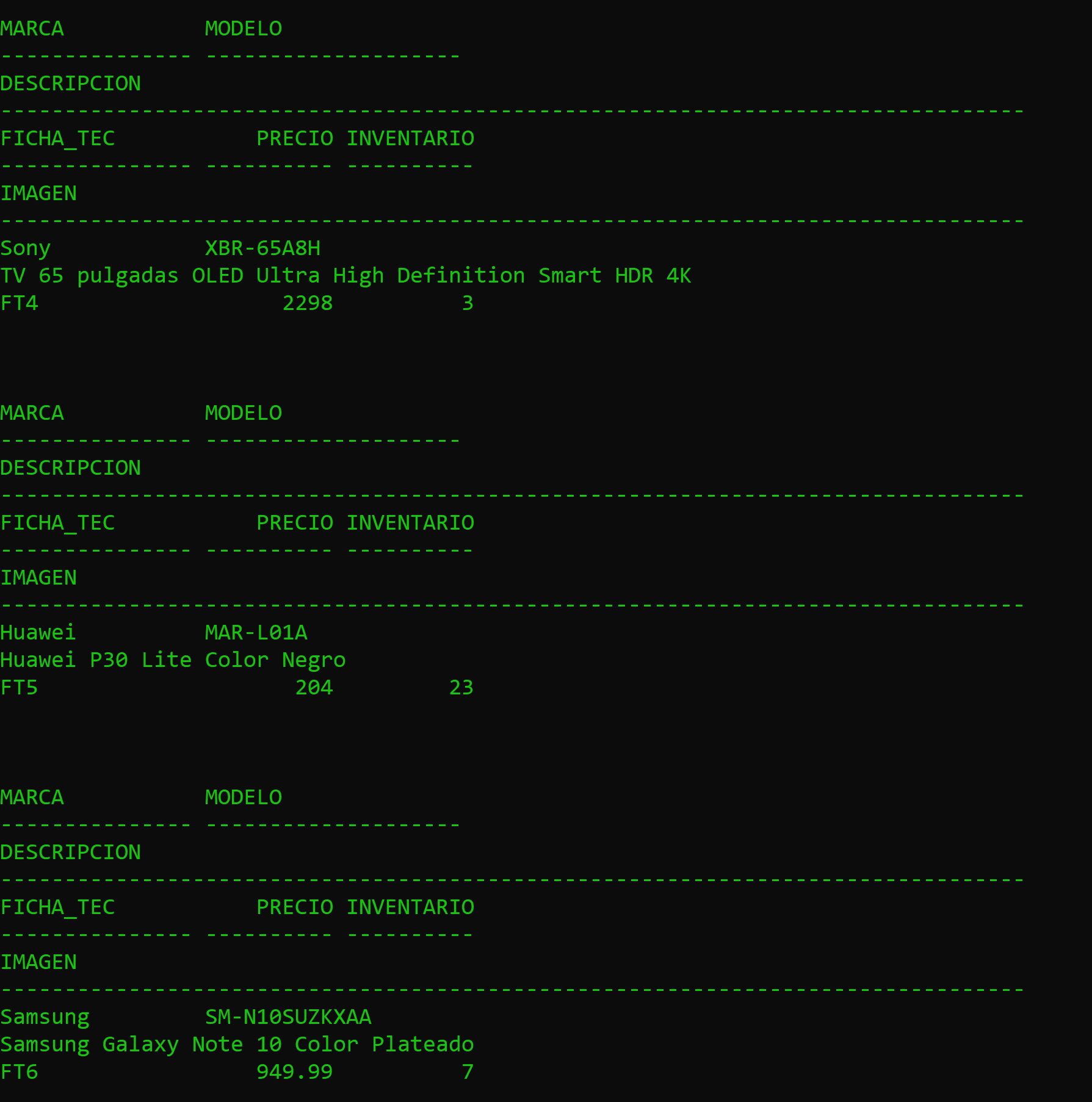


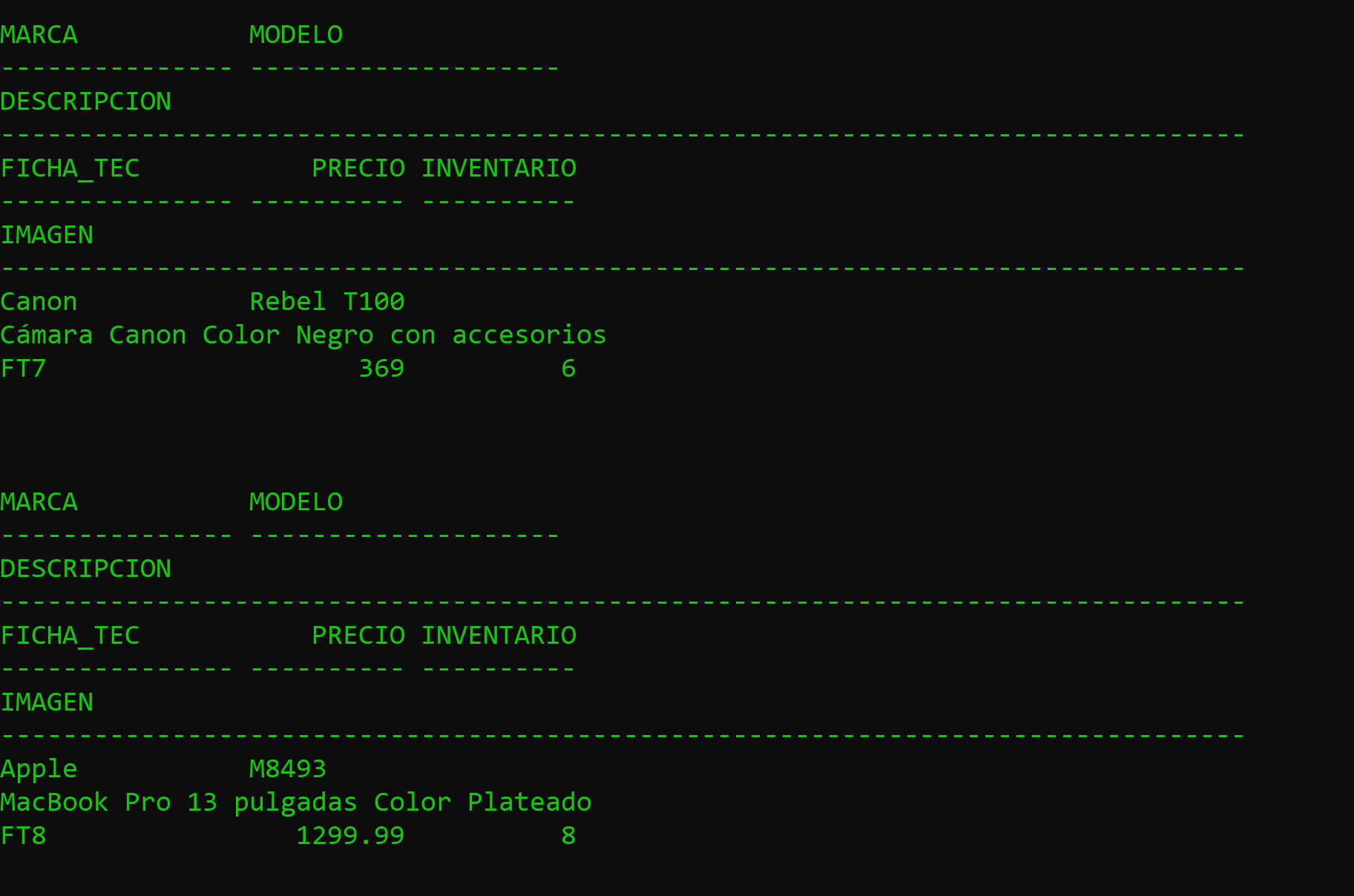
**Tabla Vendedor:**



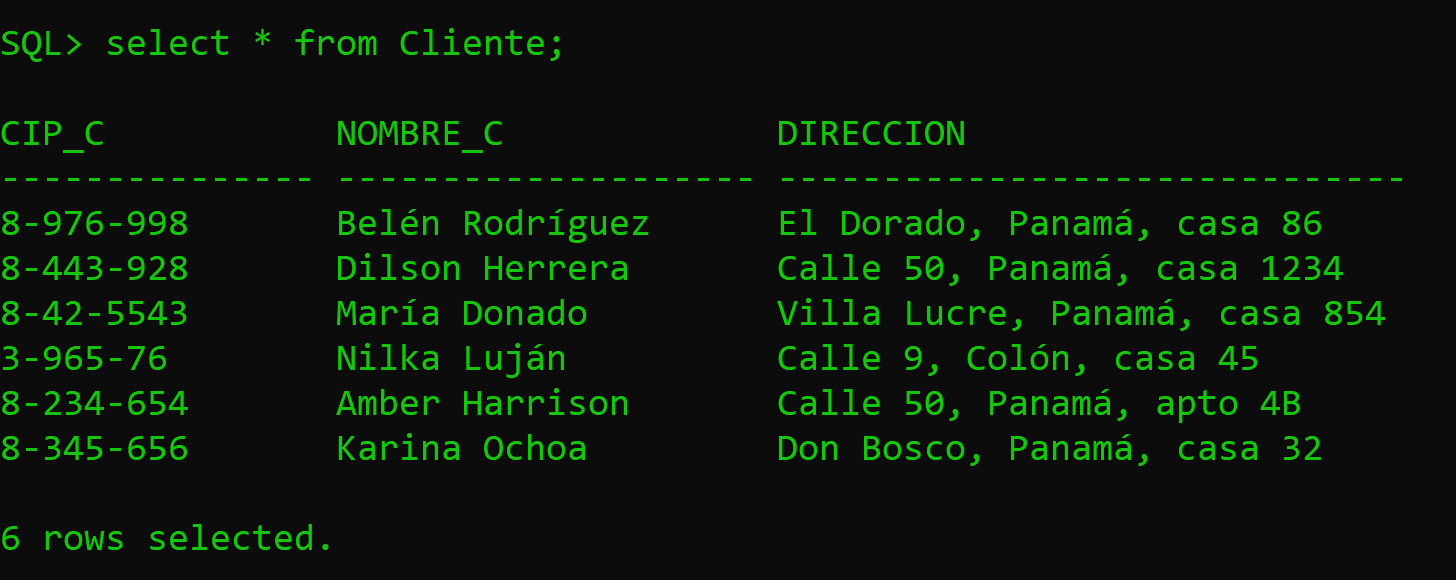
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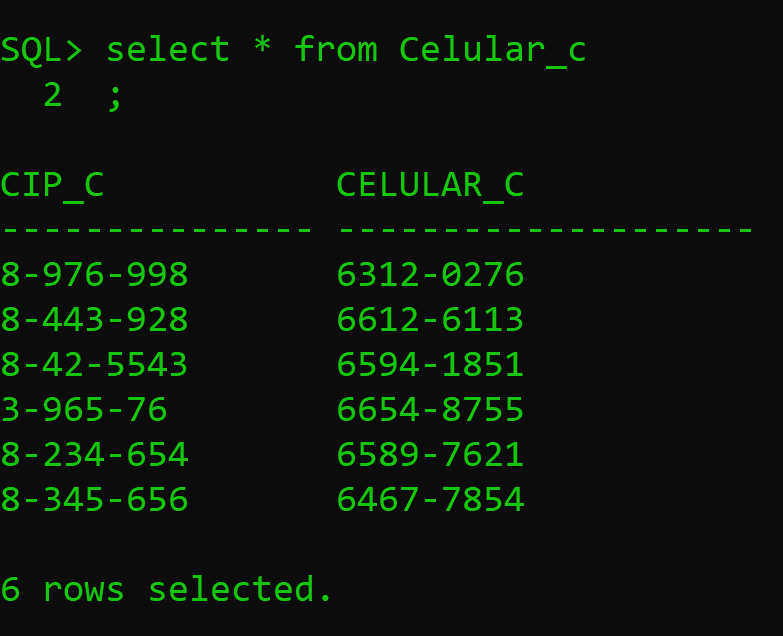




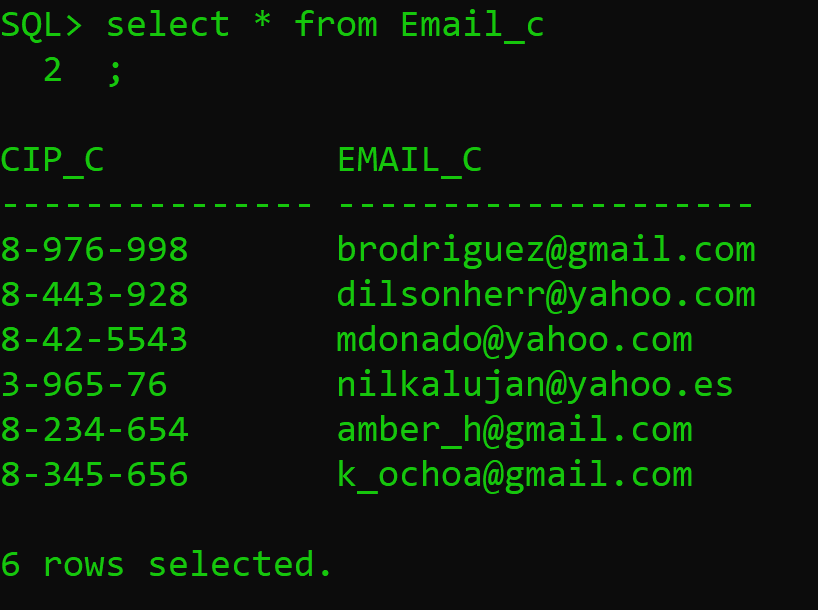
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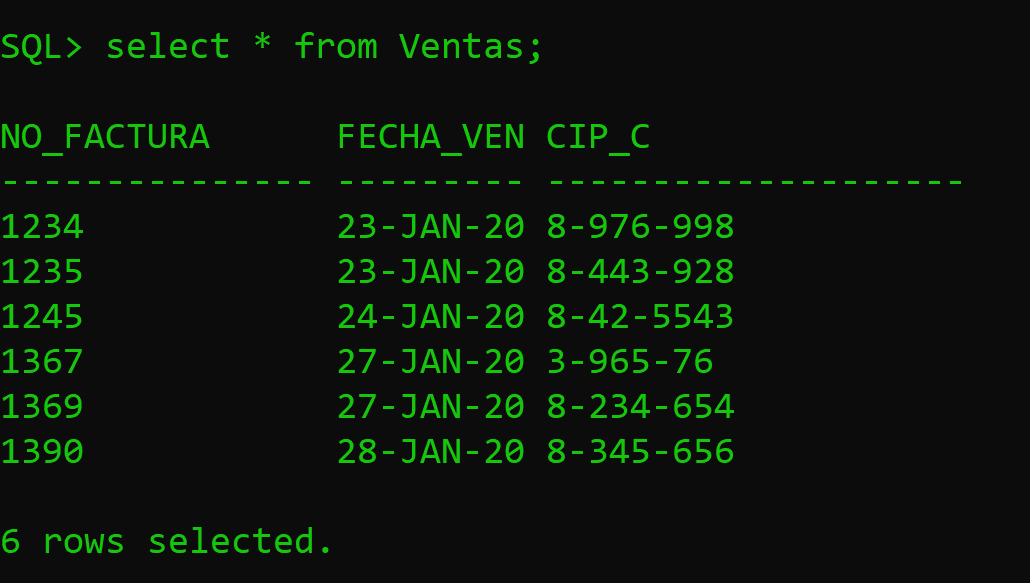
**Tabla Celular\_c:**



**Tabla Email\_c:**



**Tabla Ventas:**



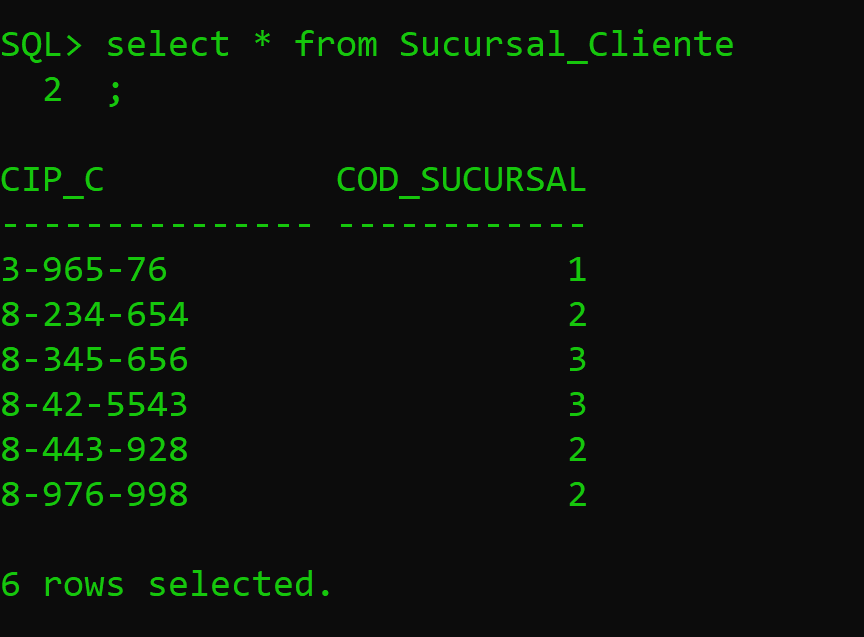
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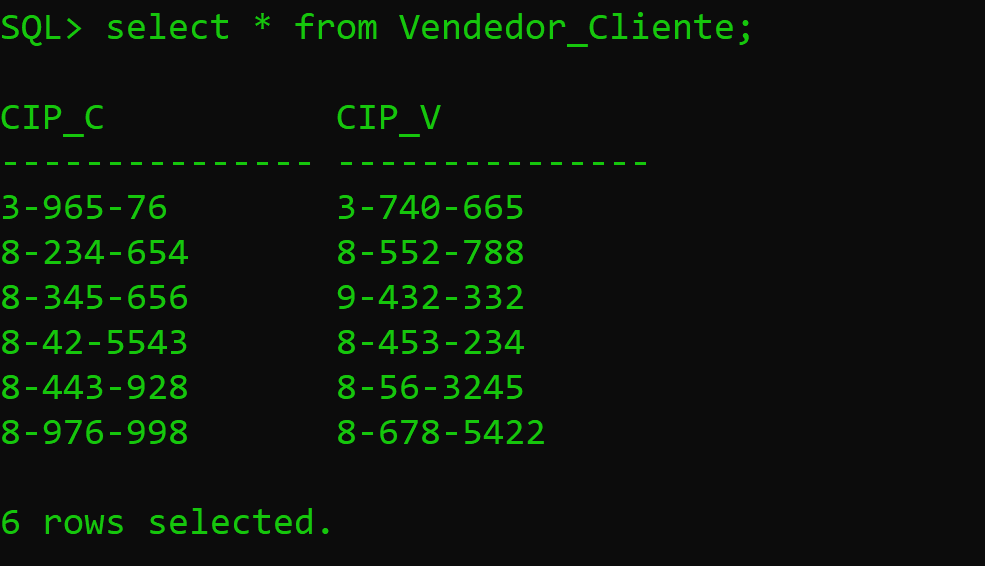
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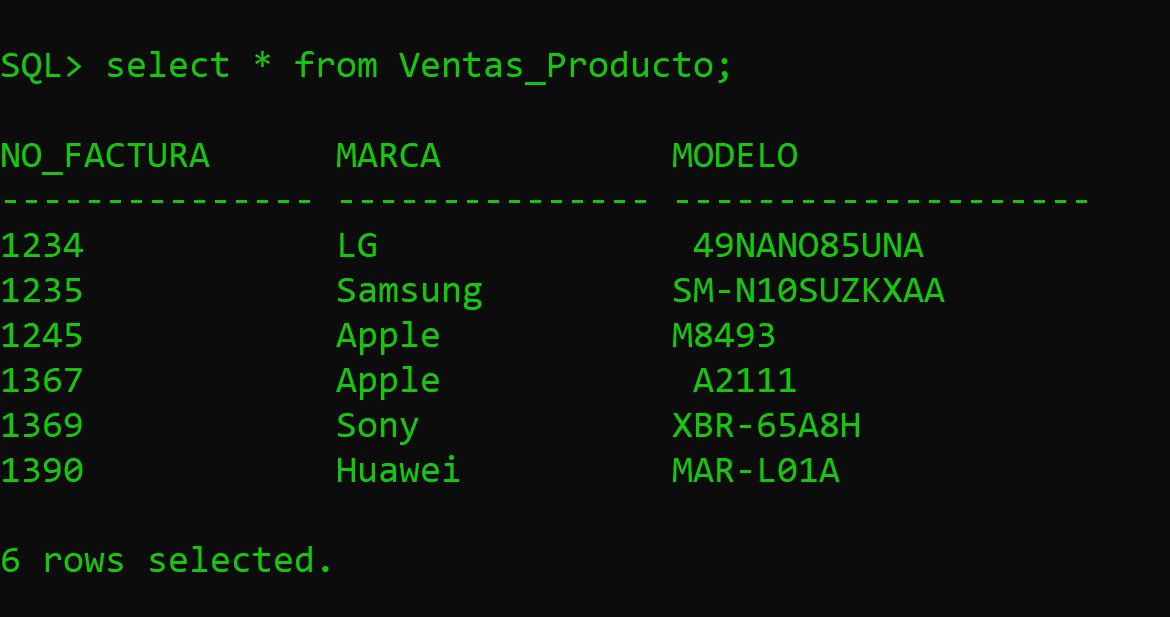
**Tabla Sucursal\_Cliente:**



**Tabla Vendedor\_Cliente:**

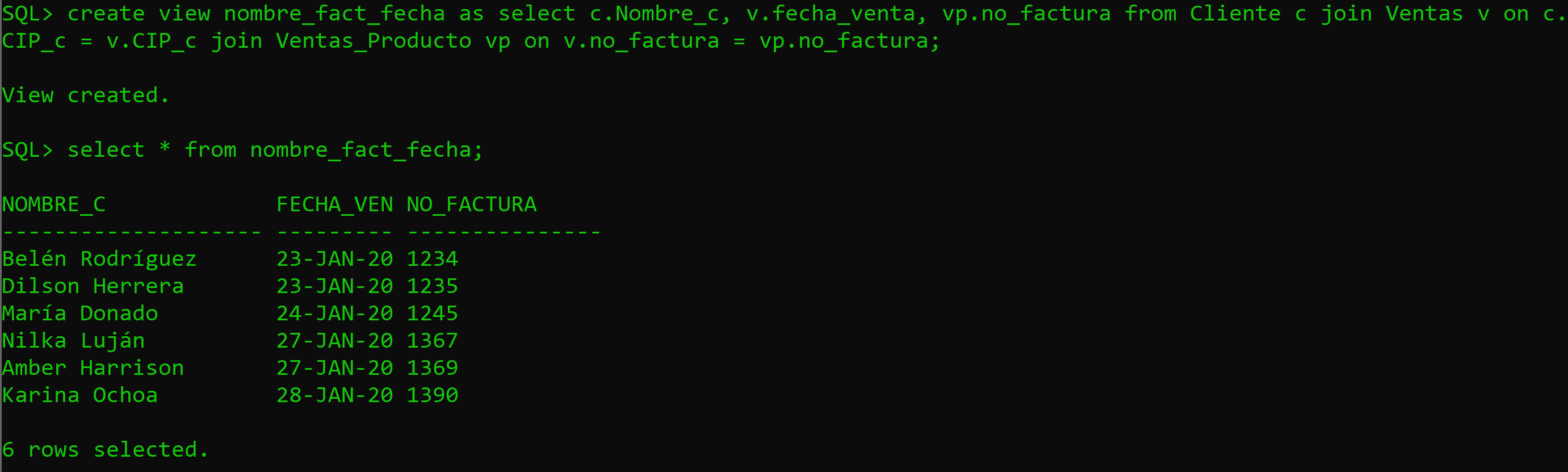


**Tabla Ventas\_Producto:**

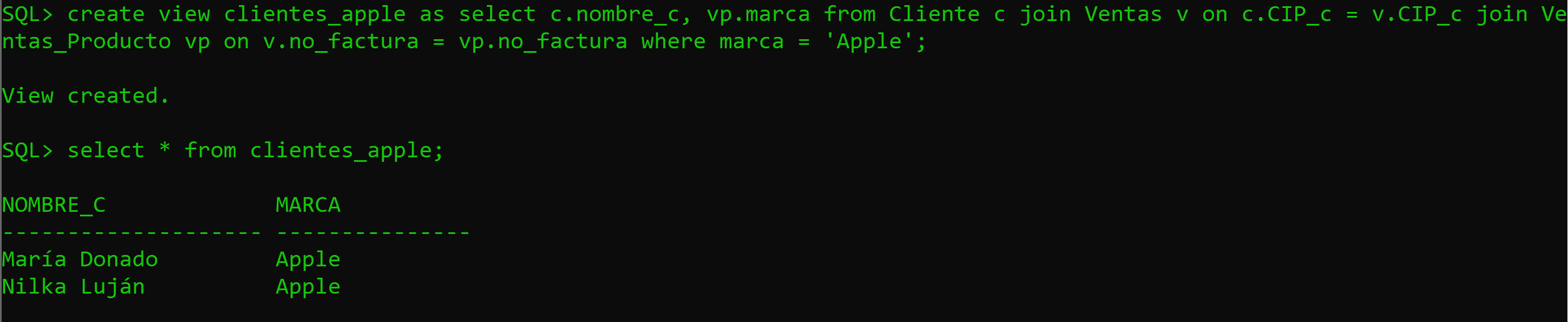


**VISTAS**

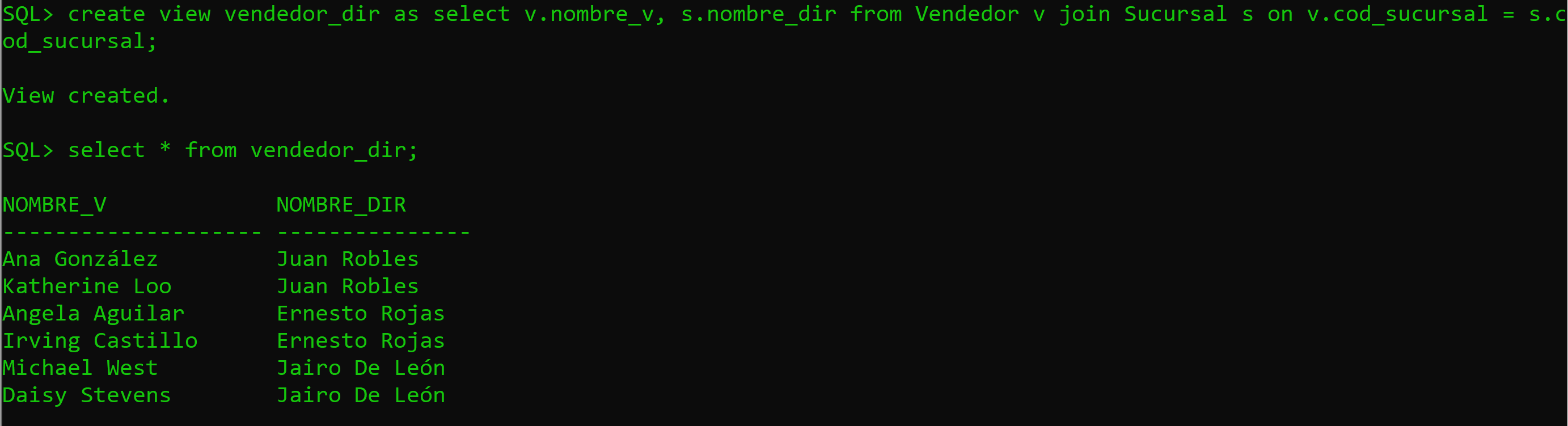
* Nombre del cliente, número de factura y fecha de la compra



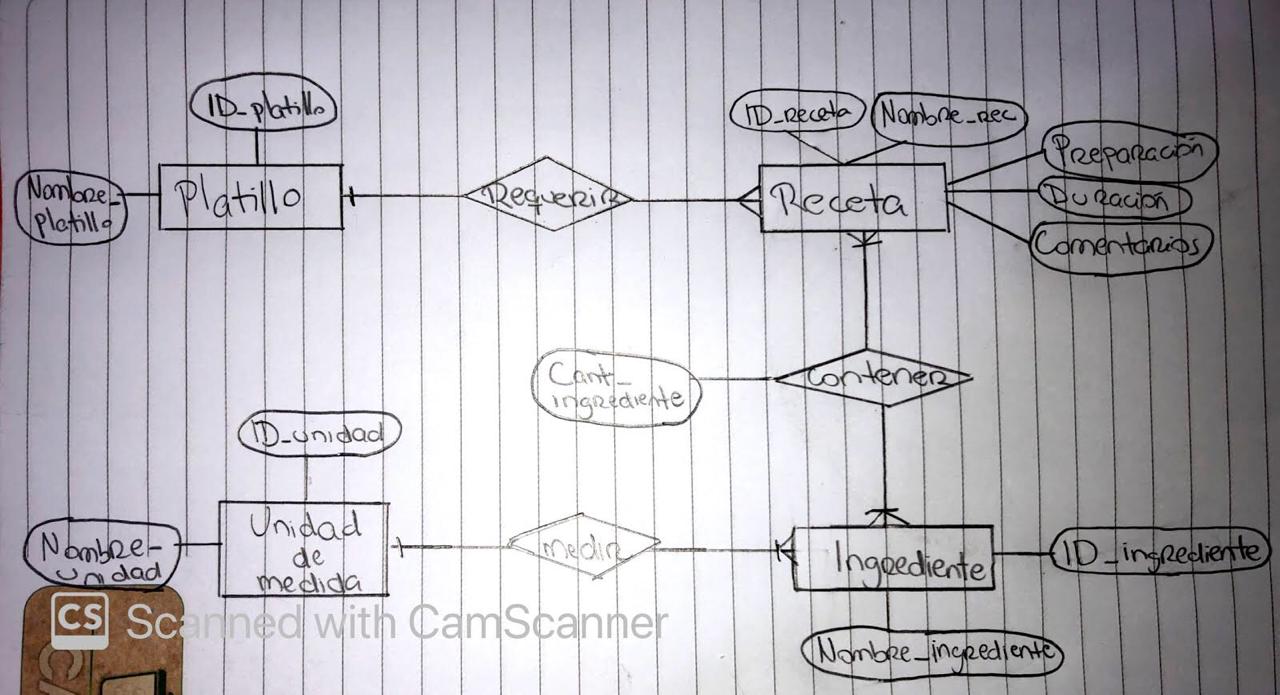
* Clientes que compraron marca Apple



* Vendedores y su director de sucursal



**Problema #4 – Cafetería**



**Modelo Lógico Relacional Normalizado**

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****

****

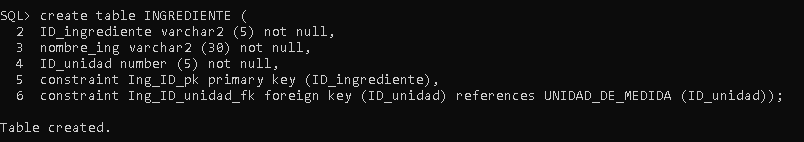
** (N,1)**

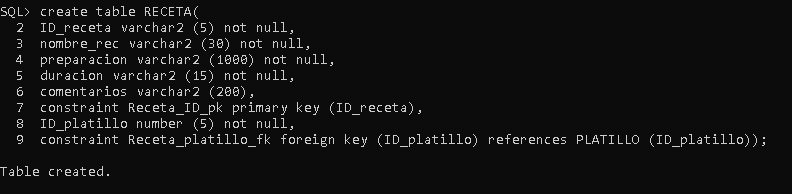
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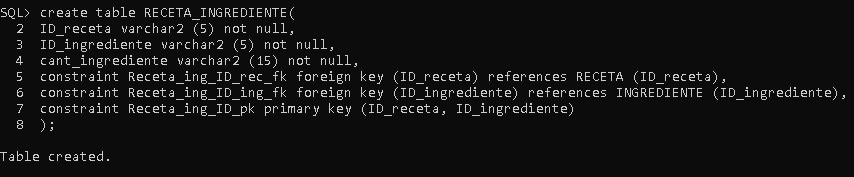
**(N, N) (N, N)**

**Creación de tablas**



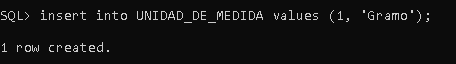






**Inserción de datos**

Tabla Unidad de medida



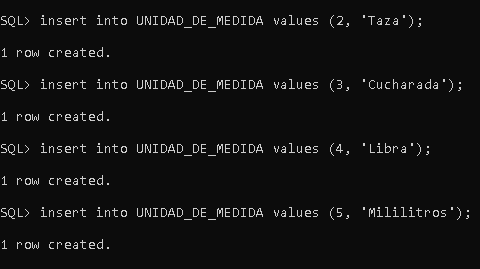
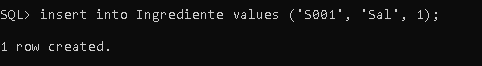
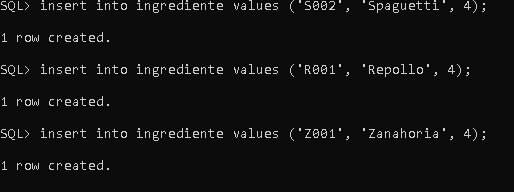
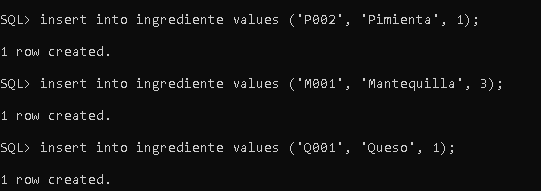
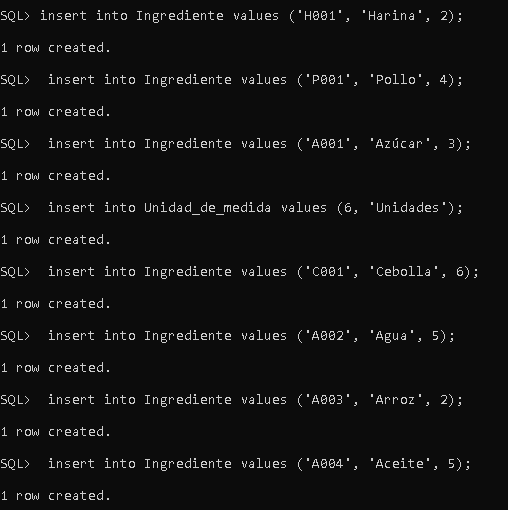


Tabla Ingrediente











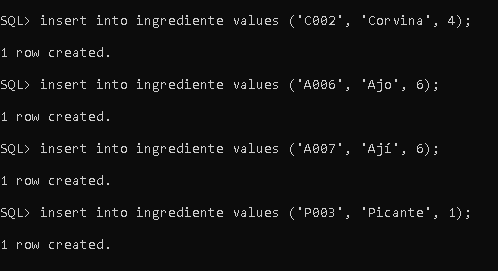
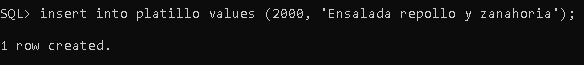
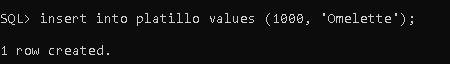
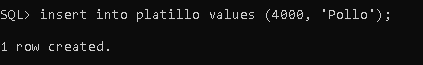


Tabla Platillo









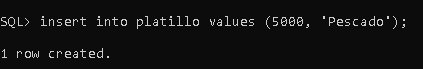
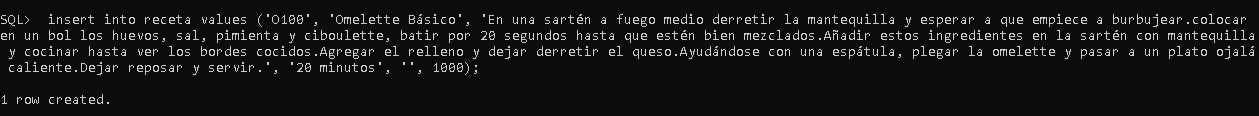
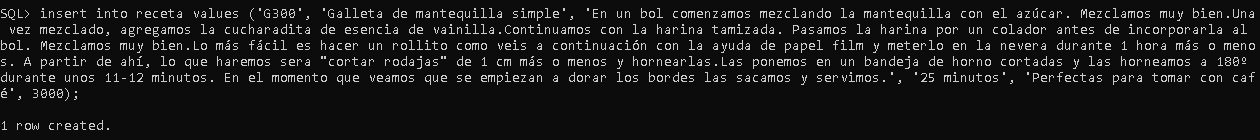
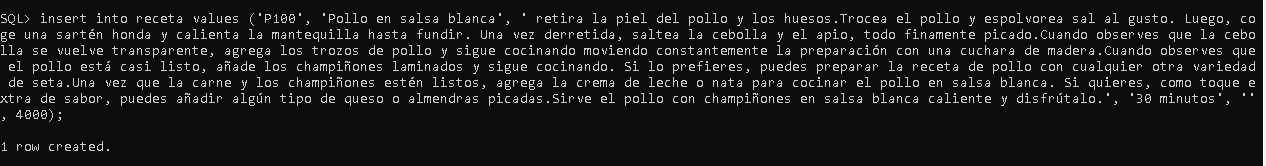


Tabla Receta









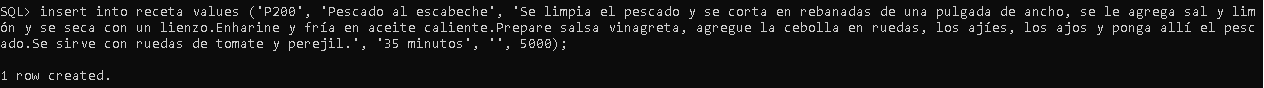
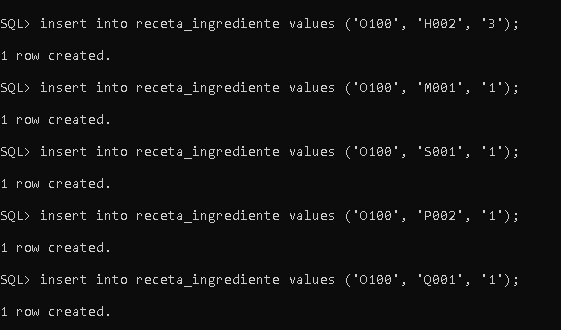
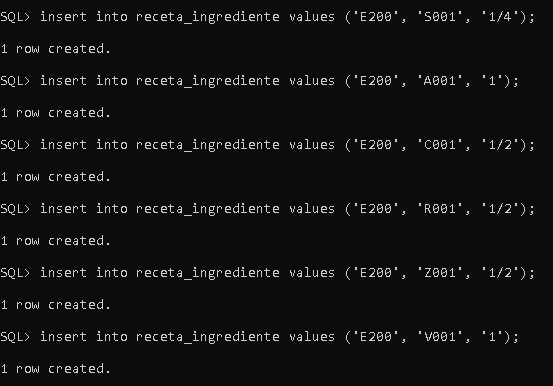
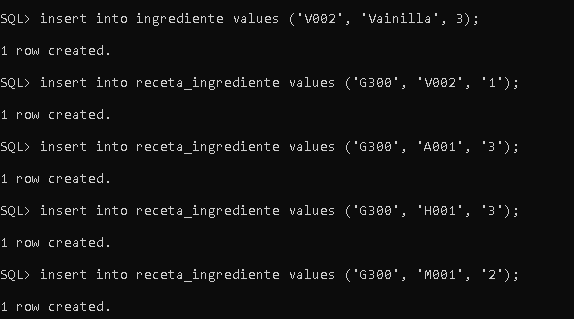


Tabla Receta – Ingrediente











**Consultas**

Tabla Platillo

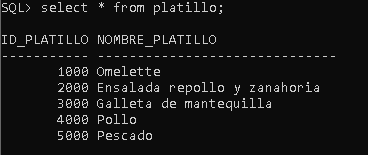


Tabla Unidad de medida

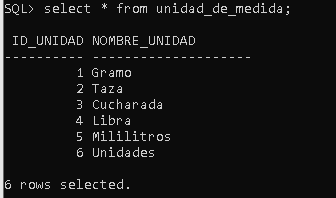


Tabla Ingrediente

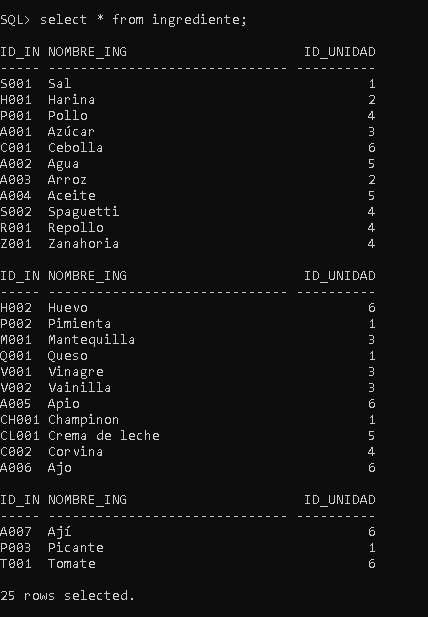
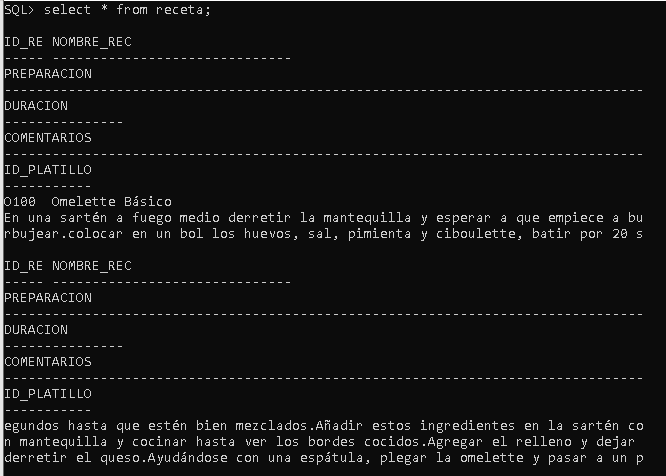
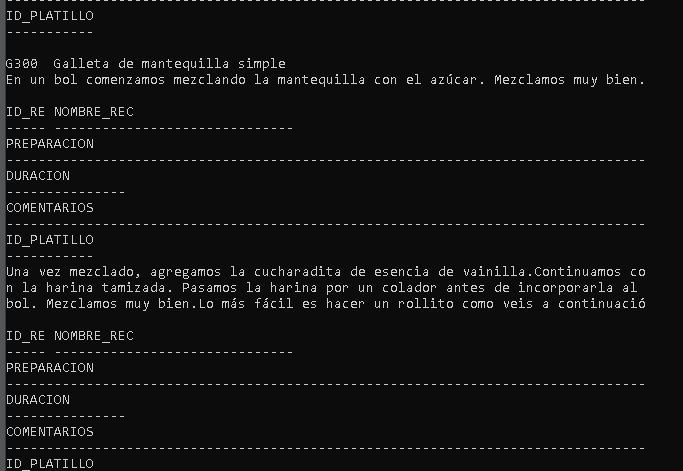


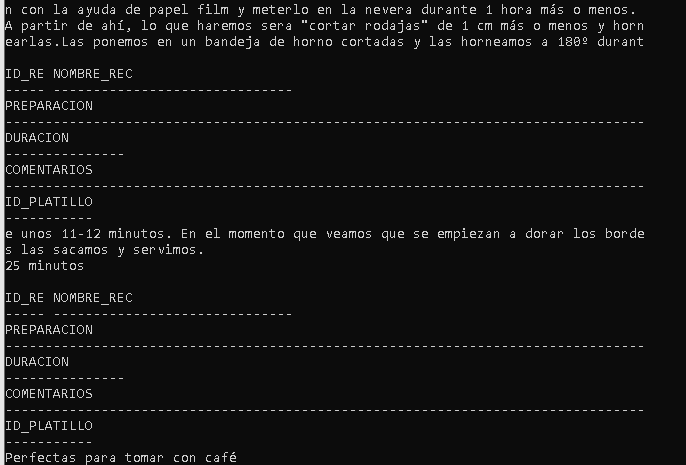
Tabla Receta

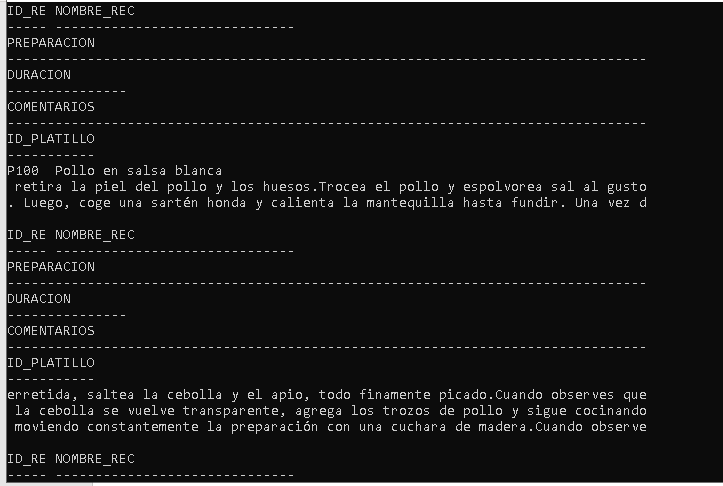














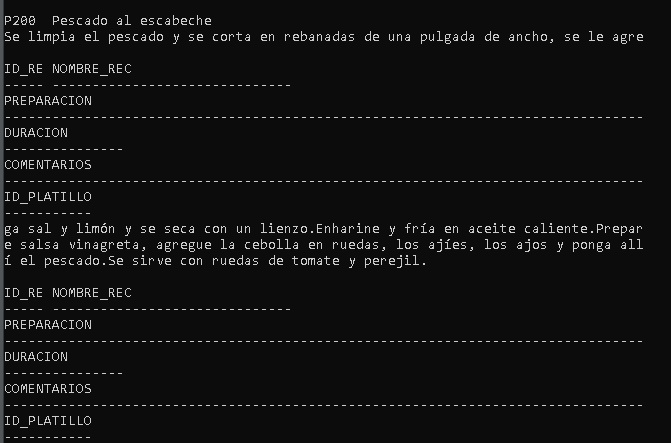
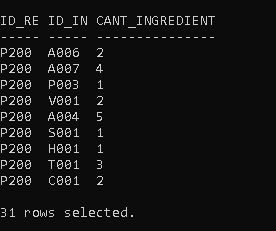


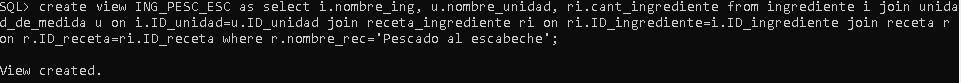
Tabla Receta – Ingrediente

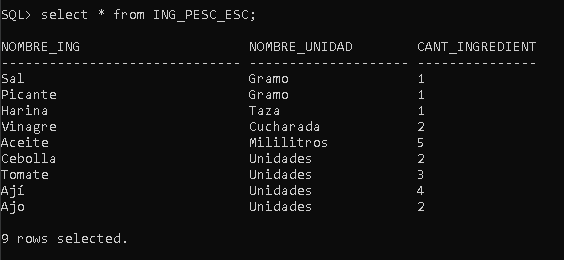




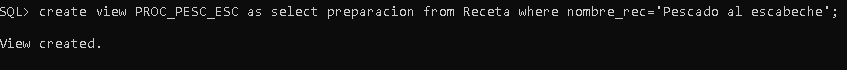
**Vistas**

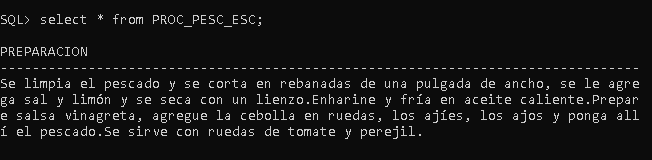
1. Ingredientes del ‘Pescado al escabeche’ con unidades de medidas y cantidad





1. Preparación del ‘Pescado al escabeche’





1. Recetas que utilizan ‘Sal’



