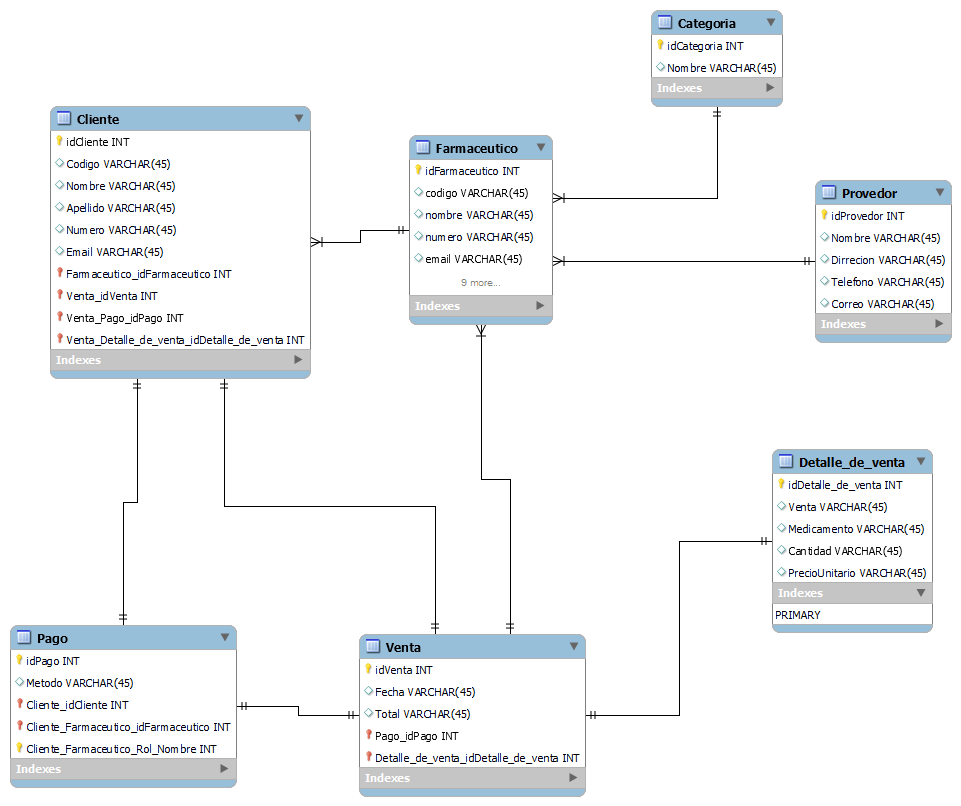
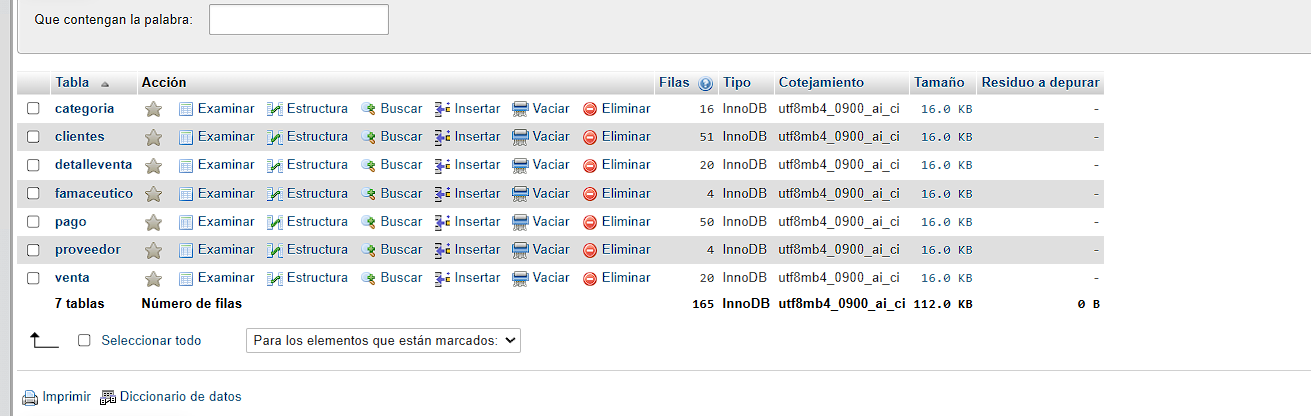
Base de datos:  
modelo conceptual – diagrama e-r

Modelo lógico – diagrama relacional



Modelo físico

* SGDB (MYSQL), tablas, campos, relaciones, pk,fk

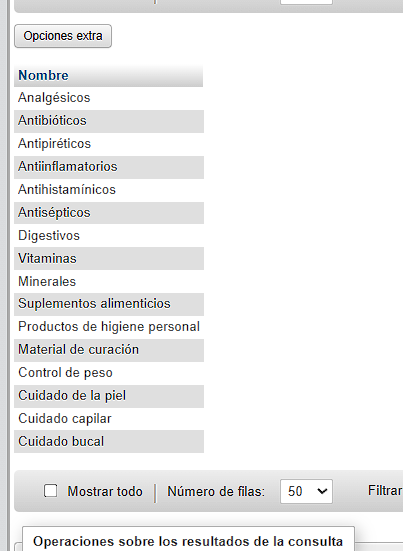


* Insertar datos (en la tabla principal 50 y otras a su criterio)

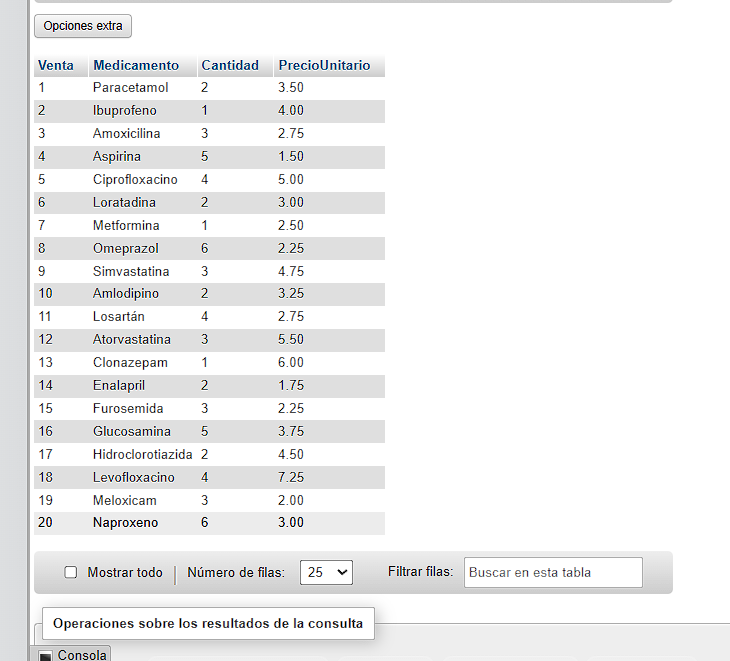
Cliente:



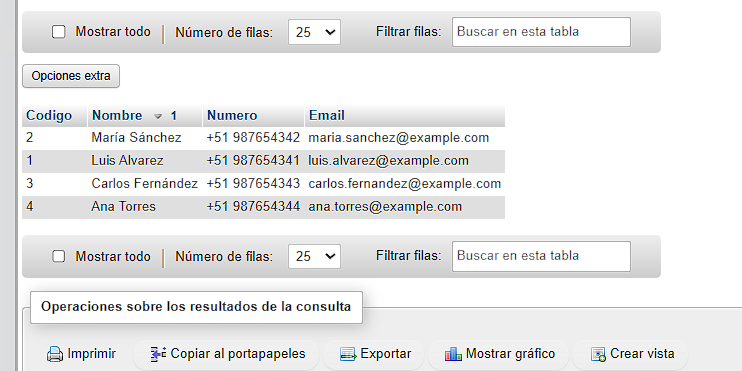
Categoria:



Detalleventa:



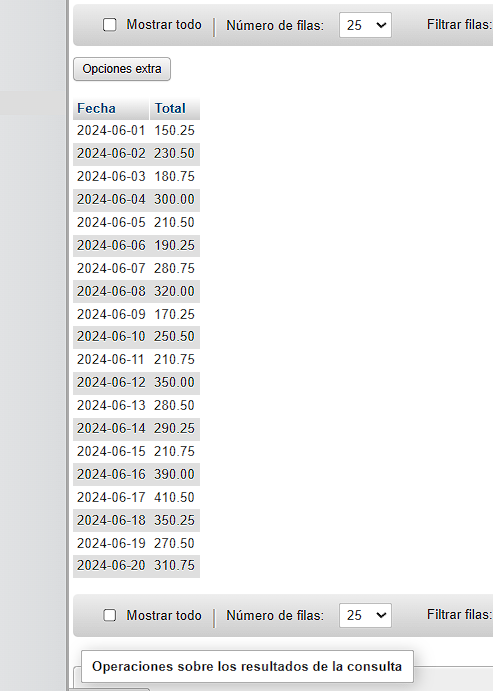
Farmaceutico:



Pago:

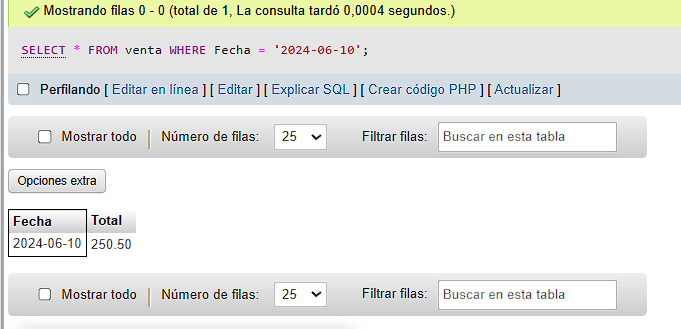


Venta:

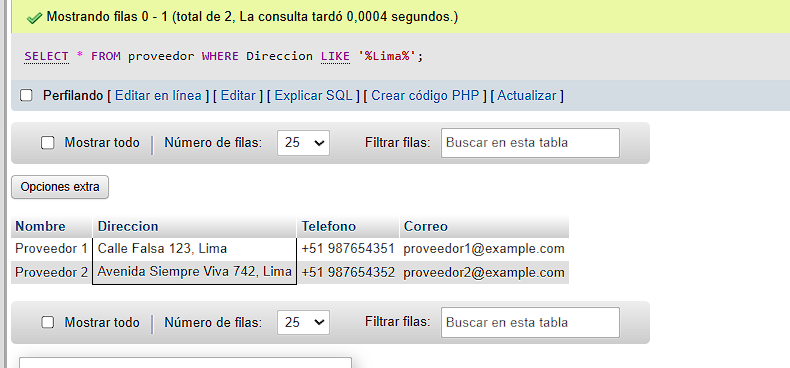


* 10 consultas sql

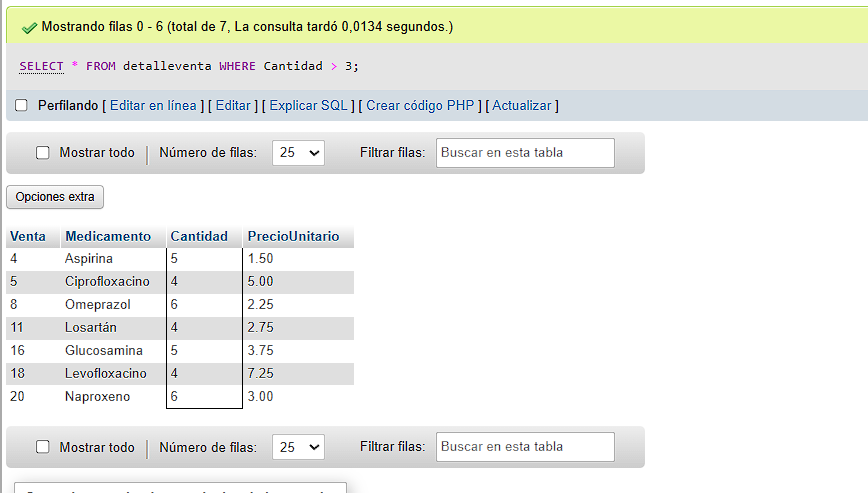
[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM venta WHERE Fecha = '2024-06-10';



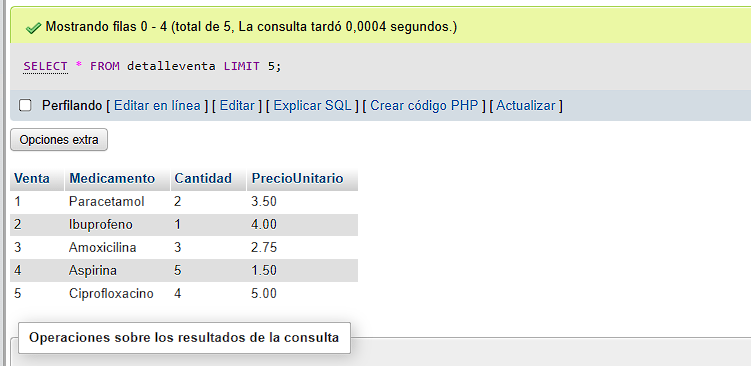
[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM proveedor WHERE Direccion [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html%23operator_like) '%Lima%';



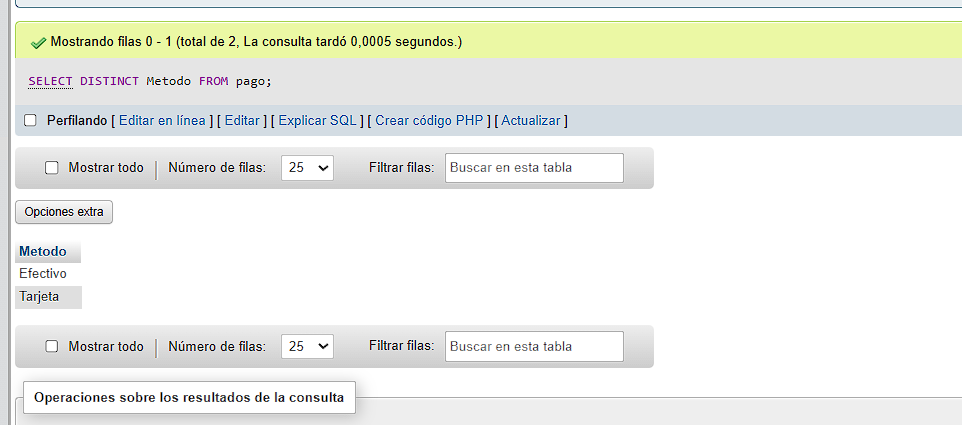
[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM detalleventa WHERE Cantidad > 3;



[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM detalleventa LIMIT 5;



[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) DISTINCT Metodo FROM pago;



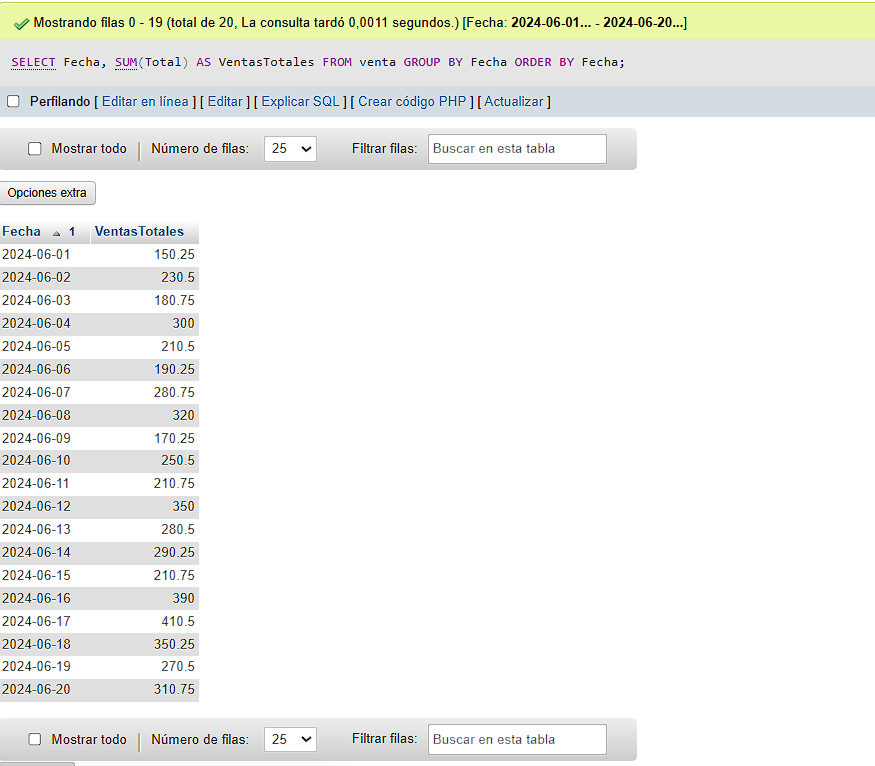
[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) SUBSTRING\_INDEX(Direccion, ', ', -1) AS Ciudad, [COUNT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_count)(\*) AS NumeroProveedores FROM proveedor GROUP BY Ciudad ORDER BY NumeroProveedores DESC;



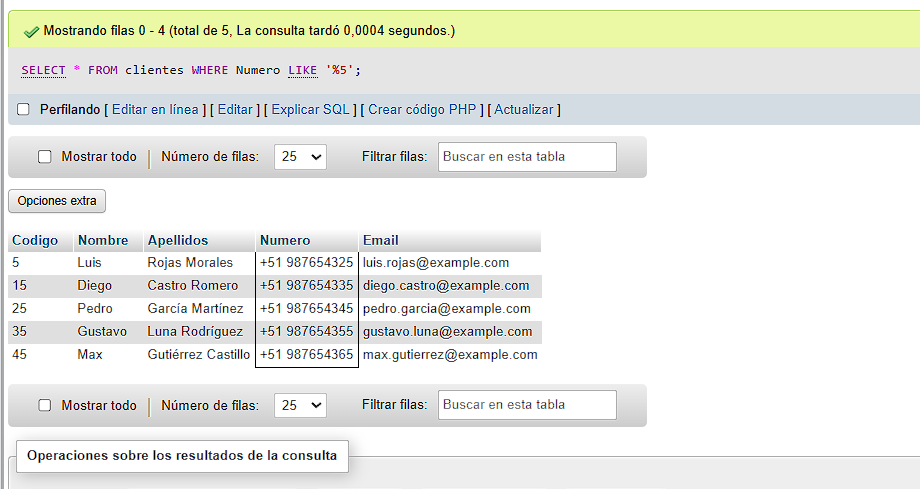
[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) Nombre, Correo FROM proveedor WHERE Nombre [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html%23operator_like) 'P%';



[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) Fecha, [SUM](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_sum)(Total) AS VentasTotales FROM venta GROUP BY Fecha ORDER BY Fecha;



[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) \* FROM clientes WHERE Numero [LIKE](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/string-comparison-functions.html%23operator_like) '%5';



[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/select.html) MONTH(Fecha) AS Mes, [SUM](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/8.0/en/aggregate-functions.html%23function_sum)(Total) AS VentasTotales FROM venta WHERE YEAR(Fecha) = 2024 GROUP BY Mes;

