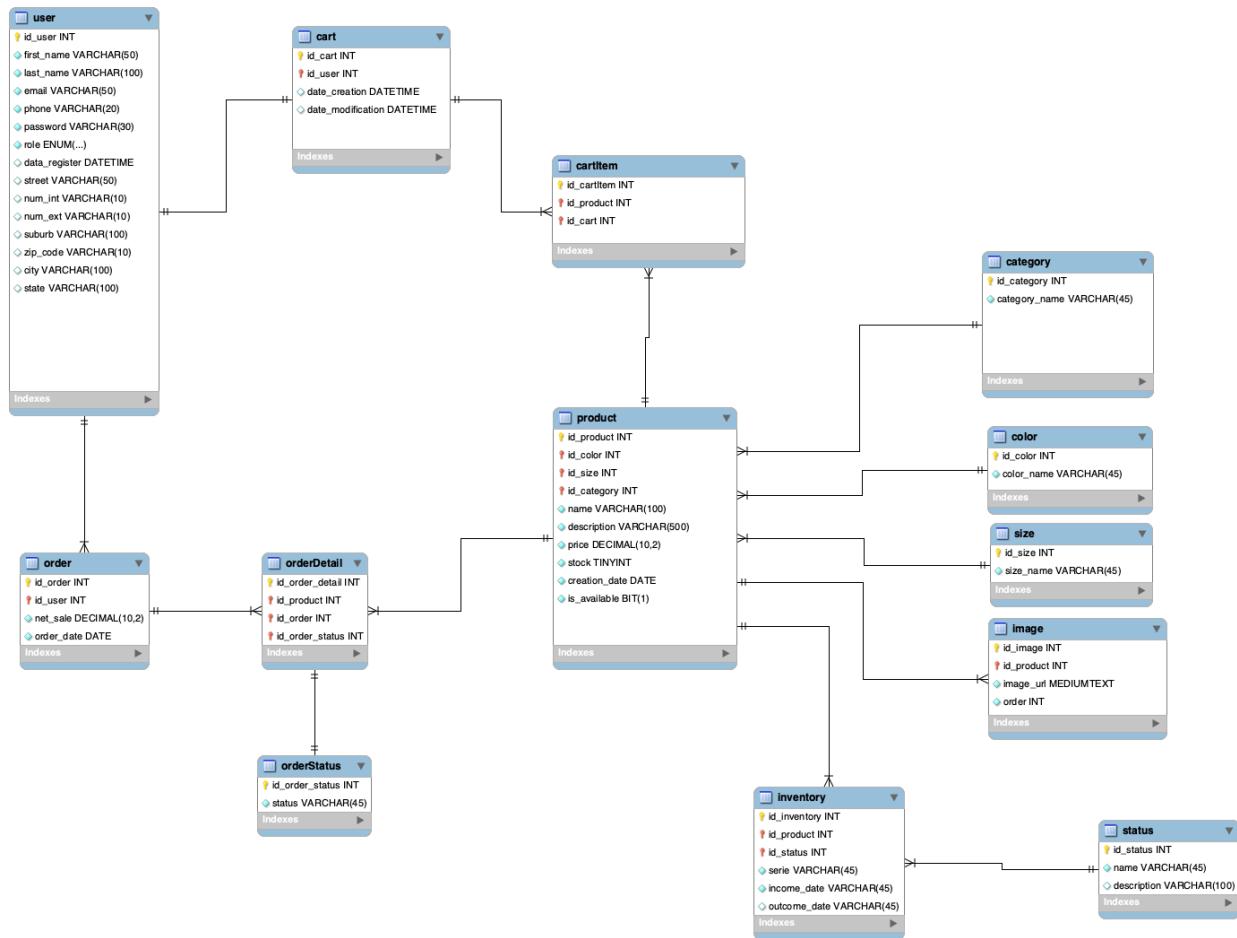
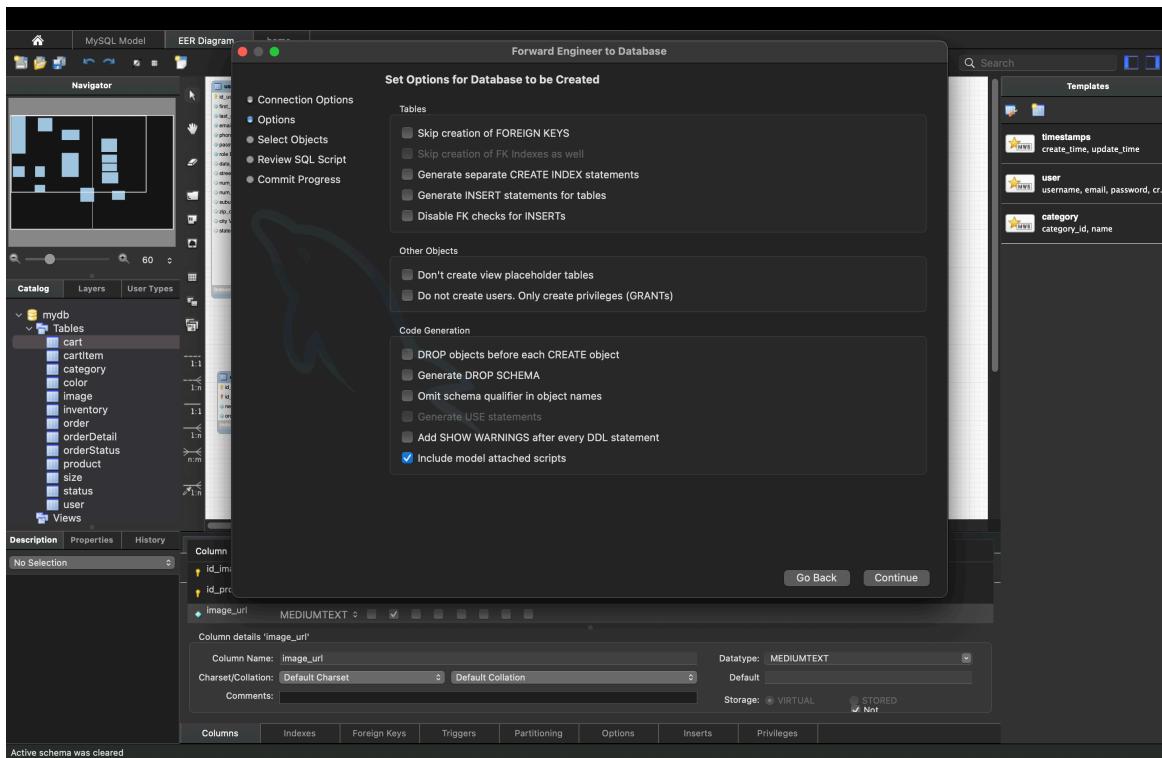
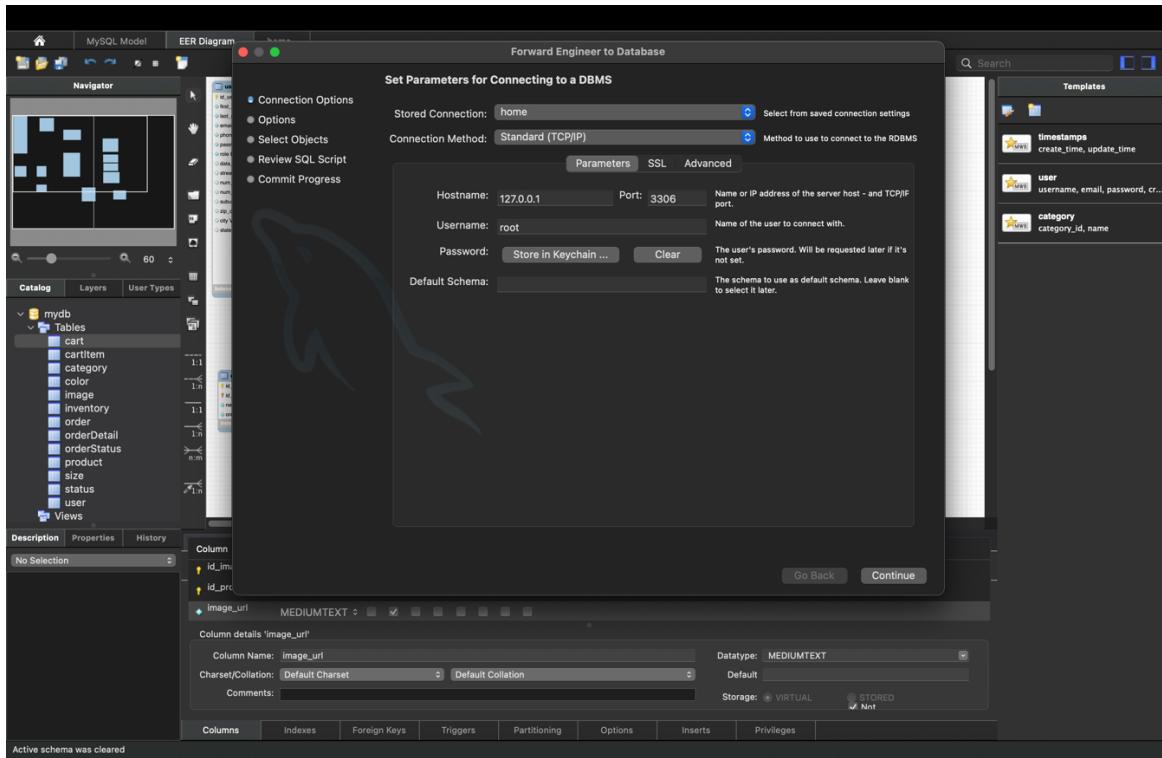
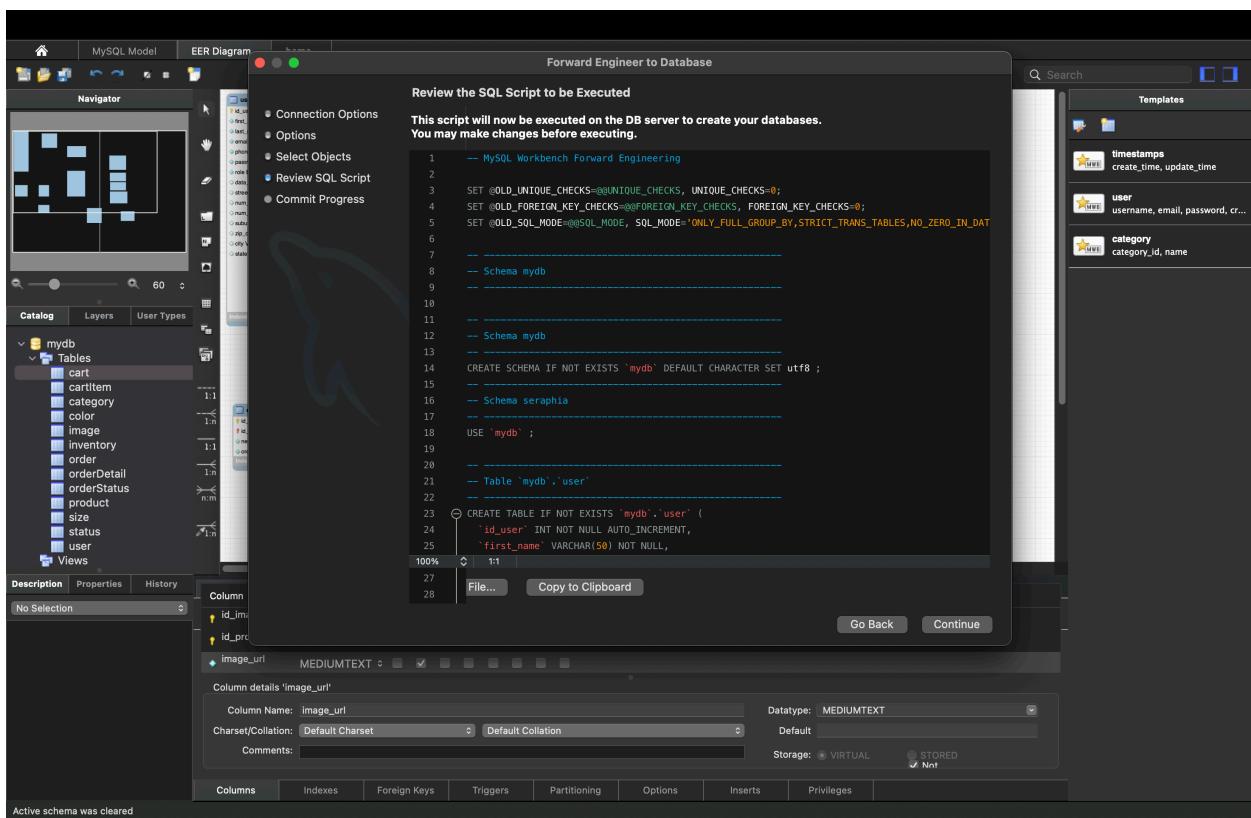
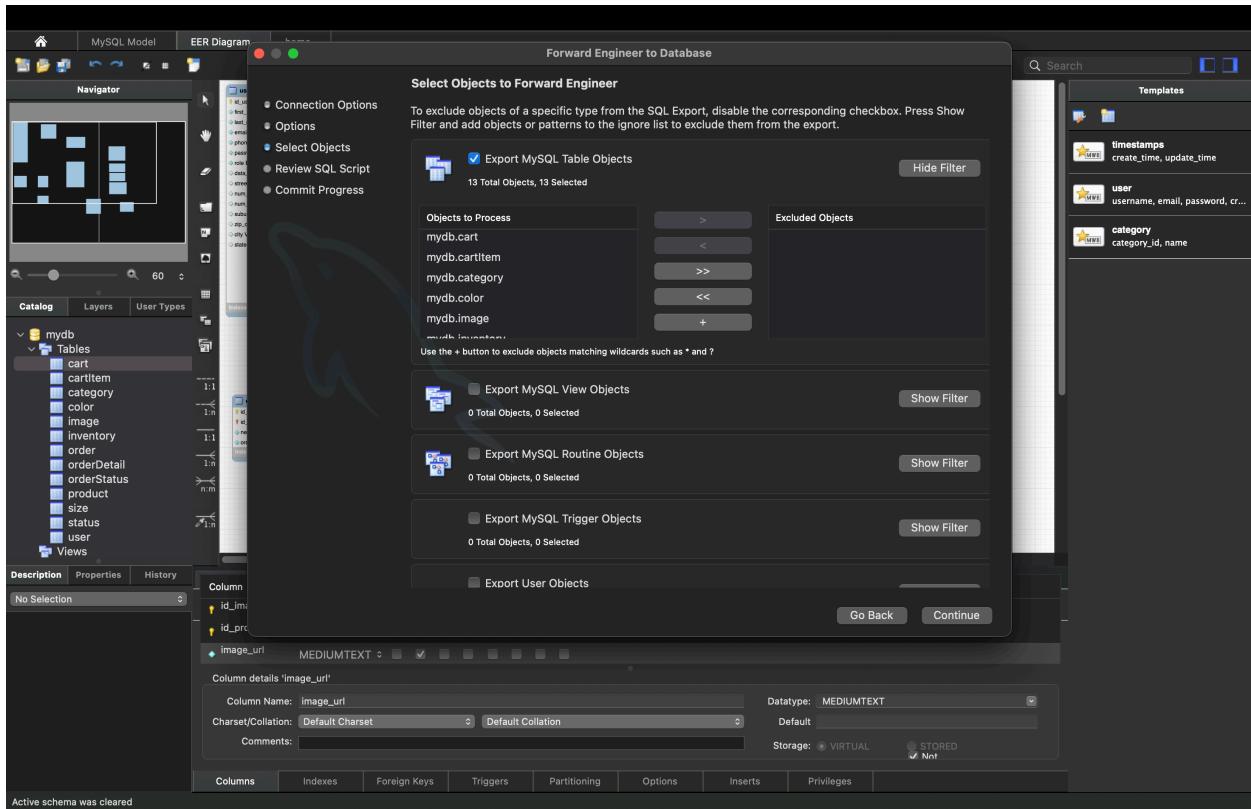


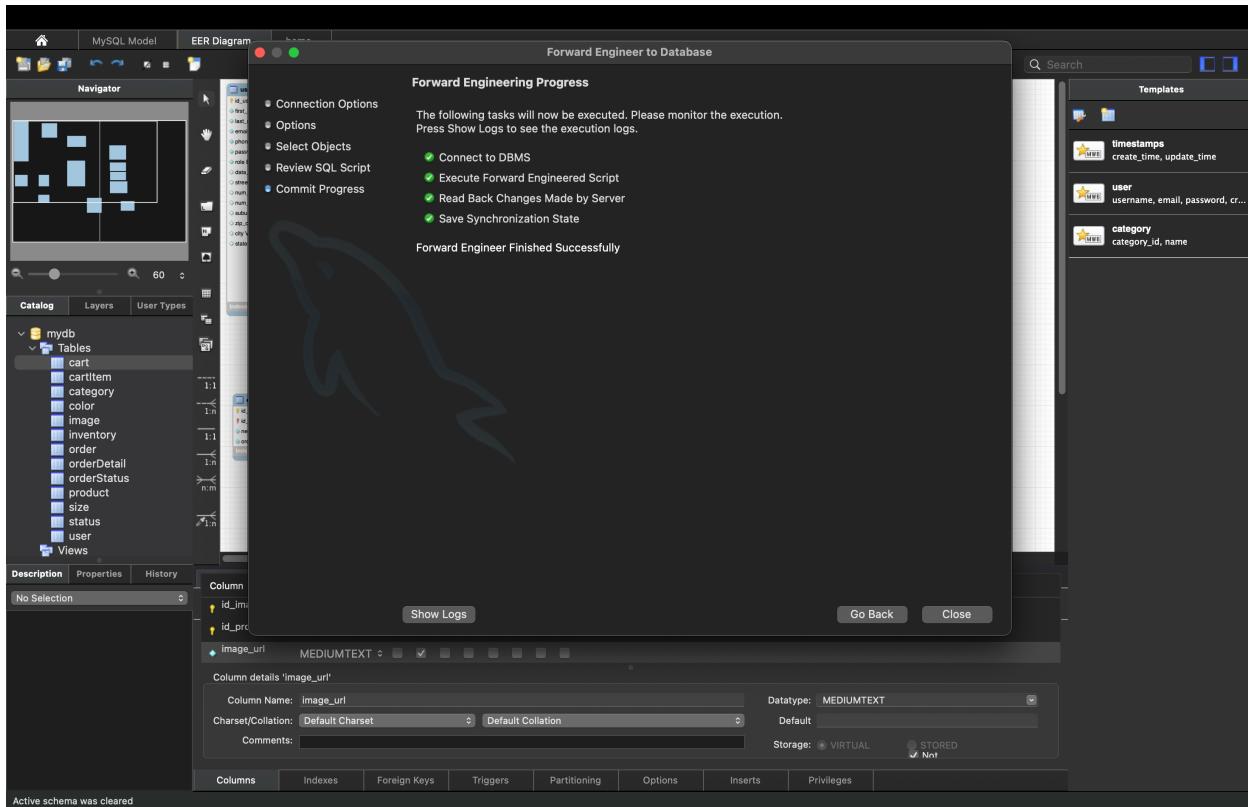
## Modelo entidad-relación



## Proceso de Forward Engineer to Database







MySQL Workbench Forward Engineering

```

1 SET @OLD_UNIQUE_CHECKS=@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
2 SET @OLD_FOREIGN_KEY_CHECKS=@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;
3 SET @OLD_SQL_MODE=@SQL_MODE, SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO';
4 CREATE SCHEMA IF NOT EXISTS `mydb` DEFAULT CHARACTER SET UTF8MB4 ;
5 USE `mydb`;
6 CREATE TABLE IF NOT EXISTS `mydb`.`user` ( `id_user` INT NOT NULL AUTO_INCREMENT, `first_name` VARCHAR(50) NOT NULL, `last_name` VARCHAR(100) NOT NULL, PRIMARY KEY (`id_user`));
7 CREATE TABLE IF NOT EXISTS `mydb`.`category` ( `id_category` INT NOT NULL AUTO_INCREMENT, `category_name` VARCHAR(45) NOT NULL, PRIMARY KEY (`id_category`));
8 CREATE TABLE IF NOT EXISTS `mydb`.`color` ( `id_color` INT NOT NULL AUTO_INCREMENT, `color_name` VARCHAR(45) NOT NULL, PRIMARY KEY (`id_color`));
9 CREATE TABLE IF NOT EXISTS `mydb`.`size` ( `id_size` INT NOT NULL AUTO_INCREMENT, `size_name` VARCHAR(45) NOT NULL, PRIMARY KEY (`id_size`)) ENGINE=INNODB;
10 CREATE TABLE IF NOT EXISTS `mydb`.`product` ( `id_product` INT NOT NULL AUTO_INCREMENT, `id_color` INT NOT NULL, `id_size` INT NOT NULL, `id_category` INT NOT NULL, `product_name` VARCHAR(100) NOT NULL, `product_desc` TEXT NOT NULL, `product_price` DECIMAL(10,2) NOT NULL, `product_weight` DECIMAL(10,2) NOT NULL, `product_dimensions` TEXT NOT NULL, `product_status` VARCHAR(10) NOT NULL, `product_in_stock` INT NOT NULL, `product_sold` INT NOT NULL, `product_created` DATETIME NOT NULL, `product_modified` DATETIME NOT NULL);
11 CREATE TABLE IF NOT EXISTS `mydb`.`cart` ( `id_cart` INT NOT NULL AUTO_INCREMENT, `id_user` INT NOT NULL, `date_creation` DATETIME NOT NULL, `date_modified` DATETIME NOT NULL);
12 CREATE TABLE IF NOT EXISTS `mydb`.`cartitem` ( `id_cartitem` INT NOT NULL AUTO_INCREMENT, `id_product` INT NOT NULL, `id_cart` INT NOT NULL, `product_qty` INT NOT NULL, `product_price` DECIMAL(10,2) NOT NULL, `product_subtotal` DECIMAL(10,2) NOT NULL);
13 CREATE TABLE IF NOT EXISTS `mydb`.`image` ( `id_image` INT NOT NULL AUTO_INCREMENT, `name` VARCHAR(45) NOT NULL, `description` VARCHAR(100) NOT NULL, `image_url` MEDIUMTEXT NOT NULL);
14 CREATE TABLE IF NOT EXISTS `mydb`.`status` ( `id_status` INT NOT NULL AUTO_INCREMENT, `name` VARCHAR(45) NOT NULL, `description` VARCHAR(100) NOT NULL);
15 CREATE TABLE IF NOT EXISTS `mydb`.`inventory` ( `id_inventory` INT NOT NULL AUTO_INCREMENT, `id_product` INT NOT NULL, `id_status` INT NOT NULL, `serial_number` VARCHAR(50) NOT NULL, `product_qty` INT NOT NULL, `product_subtotal` DECIMAL(10,2) NOT NULL, `product_weight` DECIMAL(10,2) NOT NULL, `product_dimensions` TEXT NOT NULL);
16 CREATE TABLE IF NOT EXISTS `mydb`.`order` ( `id_order` INT NOT NULL AUTO_INCREMENT, `id_user` INT NOT NULL, `net_sale` DECIMAL(10,2) NOT NULL, `order_qty` INT NOT NULL, `order_subtotal` DECIMAL(10,2) NOT NULL, `order_weight` DECIMAL(10,2) NOT NULL, `order_dimensions` TEXT NOT NULL, `order_status` VARCHAR(10) NOT NULL, `order_created` DATETIME NOT NULL, `order_modified` DATETIME NOT NULL);
17 CREATE TABLE IF NOT EXISTS `mydb`.`orderStatus` ( `id_order_status` INT NOT NULL AUTO_INCREMENT, `status` VARCHAR(45) NOT NULL, `primary_key` INT NOT NULL, `order_qty` INT NOT NULL, `order_subtotal` DECIMAL(10,2) NOT NULL, `order_weight` DECIMAL(10,2) NOT NULL, `order_dimensions` TEXT NOT NULL, `order_status` VARCHAR(10) NOT NULL, `order_created` DATETIME NOT NULL, `order_modified` DATETIME NOT NULL);
18 CREATE TABLE IF NOT EXISTS `mydb`.`orderDetail` ( `id_order_detail` INT NOT NULL AUTO_INCREMENT, `id_order` INT NOT NULL, `id_product` INT NOT NULL, `product_qty` INT NOT NULL, `product_subtotal` DECIMAL(10,2) NOT NULL, `product_weight` DECIMAL(10,2) NOT NULL, `product_dimensions` TEXT NOT NULL, `order_detail_status` VARCHAR(10) NOT NULL, `order_detail_created` DATETIME NOT NULL, `order_detail_modified` DATETIME NOT NULL);
19 SET SQL_MODE=@OLD_SQL_MODE;
20 SET FOREIGN_KEY_CHECKS=@OLD_FOREIGN_KEY_CHECKS;
21 SET UNIQUE_CHECKS=@OLD_UNIQUE_CHECKS;

```

The interface includes tabs for Administration, Schemas, and SQL Script DERModificado. The SQL Script tab displays the generated SQL code. The right side of the interface has a context help panel with the message: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."

## Inserción de Datos

The screenshot shows the MySQL Workbench interface with a query editor window titled "Query 5". The query itself is a script for inserting data into several tables:

```
use mydb;
-- Tabla category
INSERT INTO category (category_name)
VALUES
('Blusa'),
('Camiseta'),
('Pantalon'),
('Top'),
('Vestido');

-- Tabla color
INSERT INTO color (color_name)
VALUES
('Amarillo'),
('Azul'),
('Beige'),
('Blanco'),
('Gris');

-- Tabla size
INSERT INTO size (size_name) VALUES ('Chica'), ('Mediana'), ('Grande'), ('Extra Chica'), ('Extra Grande');

-- Tabla product
INSERT INTO product (id_color, id_size, id_category, name, description, price, stock, creation_date, is_available) VALUES (1, 2, 1, 'Blusa Amarilla con Bordado Floral', 'Loreto', 100, 10, '2025-07-01', 1);
INSERT INTO product (id_color, id_size, id_category, name, description, price, stock, creation_date, is_available) VALUES (1, 2, 1, 'Blusa Amarilla con Bordado Floral', 'Loreto', 100, 10, '2025-07-01', 1);
INSERT INTO product (id_color, id_size, id_category, name, description, price, stock, creation_date, is_available) VALUES (1, 2, 1, 'Blusa Amarilla con Bordado Floral', 'Loreto', 100, 10, '2025-07-01', 1);

-- Tabla cart
INSERT INTO cart (id_user, date_creation, date_modification) VALUES (1, NOW(), NOW());
INSERT INTO cart (id_product, id_cart) VALUES (1, 1), (2, 2), (3, 3), (4, 4), (5, 5);

-- Tabla cartitem
INSERT INTO cartitem (id_product, id_cart) VALUES (1, 1), (2, 2), (3, 3), (4, 4), (5, 5);

-- Tabla orderDetail
INSERT INTO orderDetail (id_product, id_order, id_order_status) VALUES (1, 1, 2), (2, 2, 3), (3, 3, 4), (4, 4, 1), (5, 5, 5);

-- Tabla orderStatus
INSERT INTO orderStatus (status) VALUES ('Pendiente'), ('Pagado'), ('Enviado'), ('Entregado'), ('Cancelado');

-- Tabla image
INSERT INTO image (id_product, image_url, order_) VALUES (1, 'https://ejemplo.com/img1.jpg', 1), (2, 'https://ejemplo.com/img2.jpg', 2), (3, 'https://ejemplo.com/img3.jpg', 3);

-- Tabla inventory
INSERT INTO inventory (id_product, id_status, serie, income_date, outcome_date) VALUES (1, 1, 'ABC123', '2025-07-01', NULL), (2, 2, 'DEF456', '2025-07-02', NULL), (3, 3, 'GHI789', '2025-07-03', NULL), (4, 4, 'JKL012', '2025-07-04', NULL), (5, 5, 'MNO345', '2025-07-05', NULL);
```

The status bar at the bottom indicates "Query Completed". A note in the top right corner says: "Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help."

Se ejecuto el script sin errores