INSTITUTO TECNOLÓGICO SUPERIOR DE JEREZ

INGENIERÍA EN SISTEMAS COMPUTACIONALES

5to Semestre

Fecha de entrega: 11/12/2020

Actividad 2: Ejercicios STORED PROCEDURES & FUNCTIONS

Tema 5: SQL Procedural.

Materia: Taller de Base de Datos.

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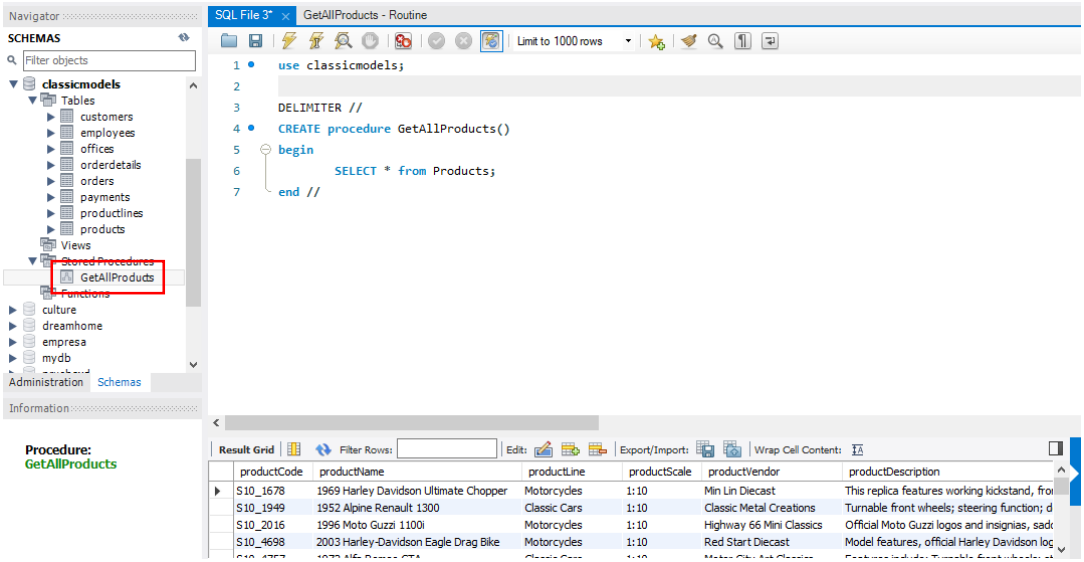
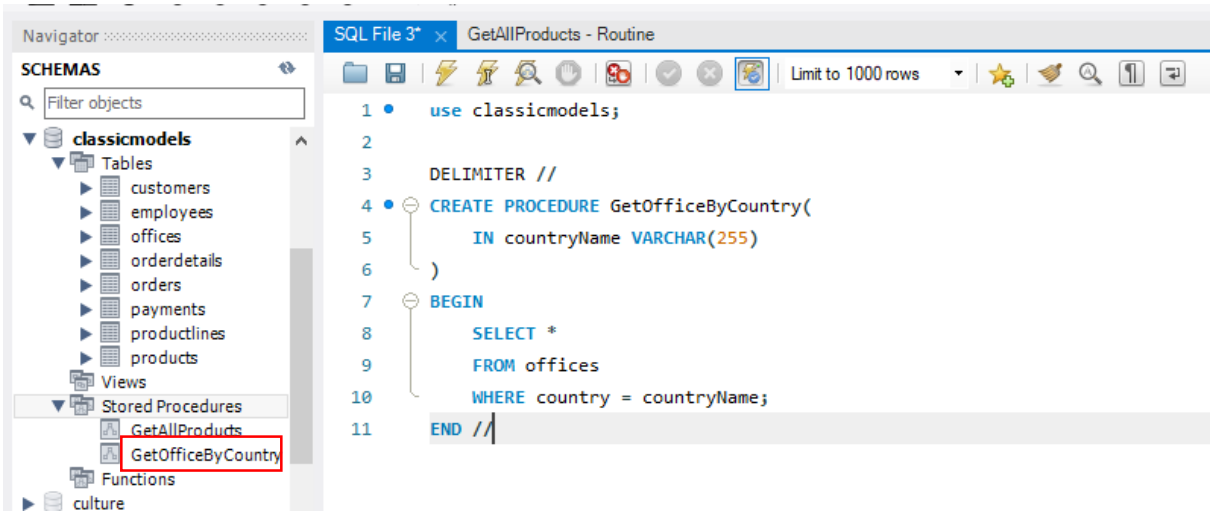
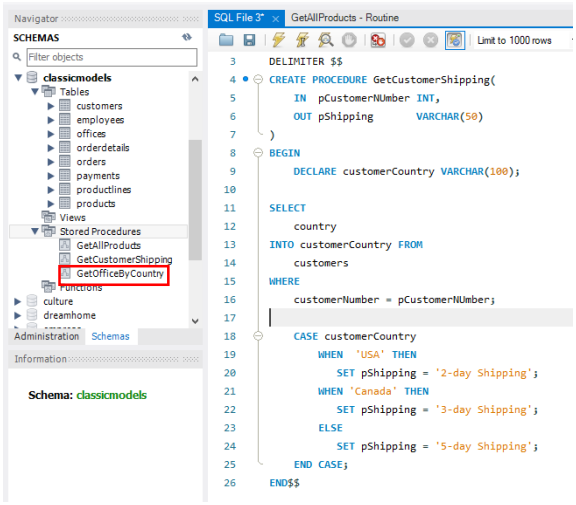
Link tutorial: https://www.mysqltutorial.org/mysql-stored-procedure-tutorial.aspx







Link Tutorial: https://www.c-sharpcorner.com/blogs/store-procedure-with-real-time-scenario-in-sql-server

```
C:\WINDOWS\system32\cmd.exe - mysql  -u root -p
Microsoft Windows [Versión 10.0.18363.1256]
(c) 2019 Microsoft Corporation. Todos los derechos reservados.

C:\Users\marin>mysql -u root -p
Enter password: ********
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 8
Server version: 8.0.19 MySQL Community Server - GPL

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> create database scenario;
Query OK, 1 row affected (0.01 sec)

mysql> use scenario;
Database changed
mysql> create table product(ProductId int primary key, ProductName varchar(20) unique, ProductQty int, ProductPrice float);
Query OK, 0 rows affected (0.06 sec)

mysql> INSERT Product VALUES(1,'Printer',10,4500);
Query OK, 1 row affected (0.02 sec)

mysql> INSERT Product VALUES(2,'Scanner',15,3500);
Query OK, 1 row affected (0.01 sec)

mysql> INSERT Product VALUES(3,'Mouse',45,500);
Query OK, 1 row affected (0.01 sec)
```

```
mysql> select * from product;
+-----------+-------------+------------+--------------+
| ProductId | ProductName | ProductQty | ProductPrice |
+-----------+-------------+------------+--------------+
|         1 | Printer     |         10 |         4500 |
|         2 | Scanner     |         15 |         3500 |
|         3 | Mouse       |         45 |          500 |
+-----------+-------------+------------+--------------+
3 rows in set (0.01 sec)

mysql> Delimiter $$
mysql> CREATE PROCEDURE prcInsert(
    -> in id int,
    -> in name varchar(40),
    -> in qty int,
    -> in price float)
    -> begin
    -> DECLARE cnt int default 0;
    -> DECLARE p float default 0;
    -> select cnt=COUNT(ProductId) from Product where pname= name;
    -> if cnt>0 THEN
    -> update Product set ProductQty = ProductQty + qty where ProductName=name;
    ->   select p=ProductPrice from Product where ProductName=name;
    -> if p<price THEN
    -> update Product set ProductPrice=price where ProductName=name;
    -> end IF;
    -> else
    -> insert Product values(id,name,qty,price);
    -> end if;
    -> end$$
Query OK, 0 rows affected (0.02 sec)
```

El siguiente link: https://www.javatpoint.com/mysql-transaction ya lo hemos realizado en la actividad 2 del tema 4.