**Procedimientos**

1.

DELIMITER //

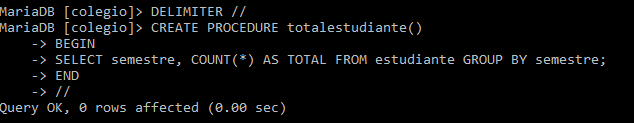
MariaDB [colegio]> CREATE PROCEDURE totalestudiante()

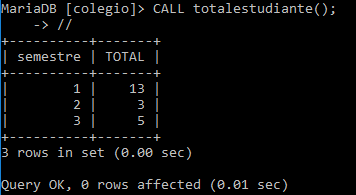
-> BEGIN

-> SELECT semestre, COUNT(\*) AS TOTAL FROM estudiante GROUP BY semestre;

-> END

-> //

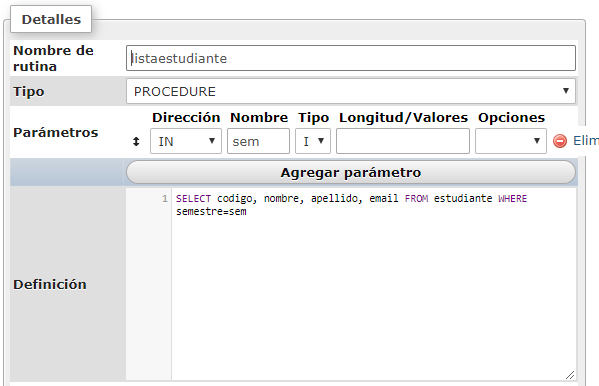


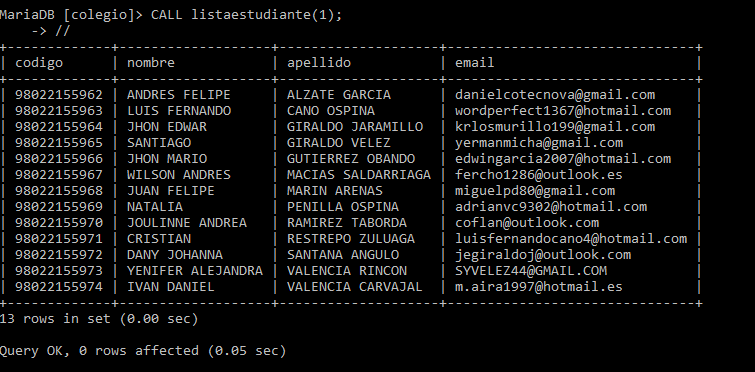


2.

CREATE PROCEDURE listaestudiante(sem INT)

-> SELECT codigo, nombre, apellido, email FROM estudiante WHERE semestre=sem;

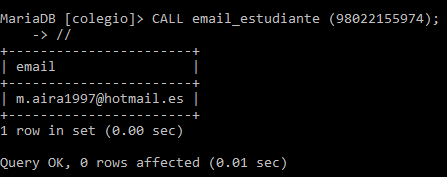




3.

CREATE PROCEDURE email\_estudiante(code BIGINT)

-> SELECT email FROM estudiante WHERE codigo=code;



4.

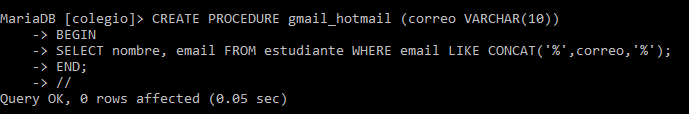
CREATE PROCEDURE gmail\_hotmail (correo VARCHAR(10))

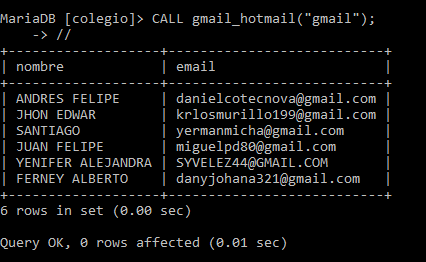
-> BEGIN

-> SELECT nombre, email FROM estudiante WHERE email LIKE CONCAT('%',correo,'%');

-> END;

-> //





5.

DELIMITER //

CREATE PROCEDURE est\_list (valor INT)

BEGIN

IF valor=1 THEN

SELECT \*FROM estudiante ORDER BY nombre DESC;

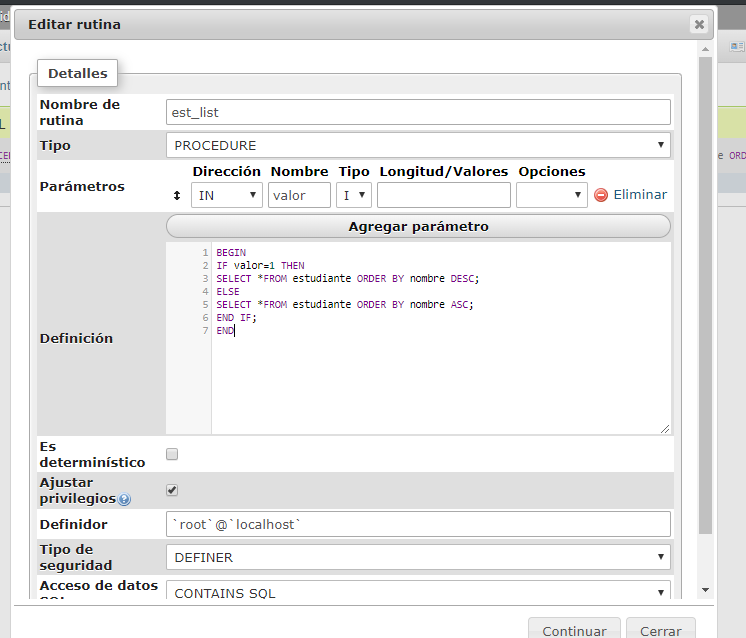
ELSE

SELECT \*FROM estudiante ORDER BY nombre ASC;

END IF;

END

//







**Funciones:**

1.

DELIMITER $$

MariaDB [colegio]> CREATE FUNCTION estudent\_total ()

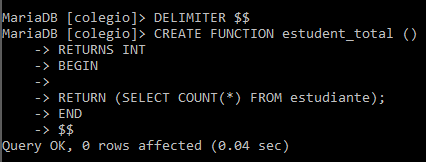
-> RETURNS INT

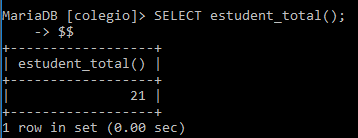
-> BEGIN

-> RETURN (SELECT COUNT(\*) FROM estudiante);

-> END

-> $$





2.

CREATE FUNCTION programa\_est (code BIGINT)

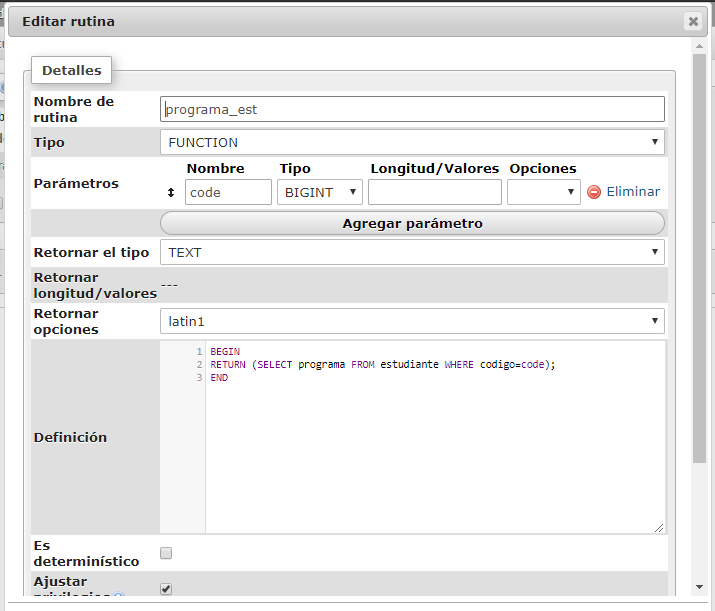
-> RETURNS TEXT

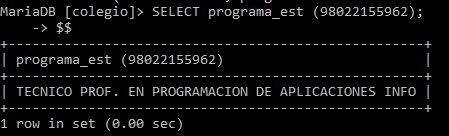
-> BEGIN

-> RETURN (SELECT programa FROM estudiante WHERE codigo=code);

-> END

-> $$





3.

DELIMITER $$

MariaDB [colegio]> CREATE FUNCTION correos (correo VARCHAR(10))

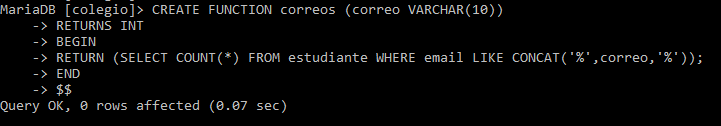
-> RETURNS INT

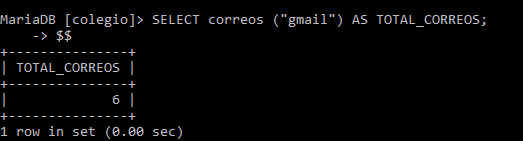
-> BEGIN

-> RETURN (SELECT COUNT(\*) FROM estudiante WHERE email LIKE CONCAT('%',correo,'%'));

-> END

-> $$





4.

DELIMITER $$

MariaDB [colegio]> CREATE FUNCTION correo\_est (correo VARCHAR(50))

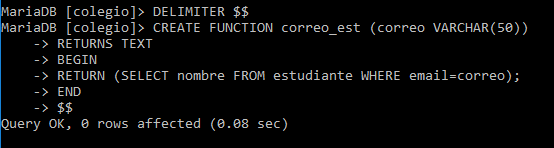
-> RETURNS TEXT

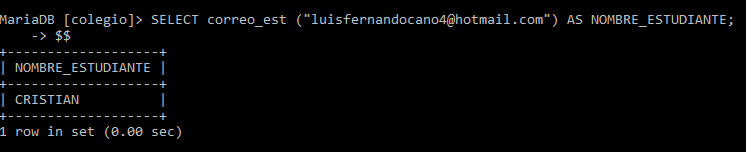
-> BEGIN

-> RETURN (SELECT nombre FROM estudiante WHERE email=correo);

-> END

-> $$





5.

DELIMITER $$

MariaDB [colegio]> CREATE FUNCTION cantidad\_estudiante\_semestre (sem INT)

-> RETURNS INT

-> BEGIN

-> RETURN (SELECT COUNT(\*) FROM estudiante WHERE semestre=sem);

-> END

-> $$

