SCS2209 Database II Tutorial 05

01.

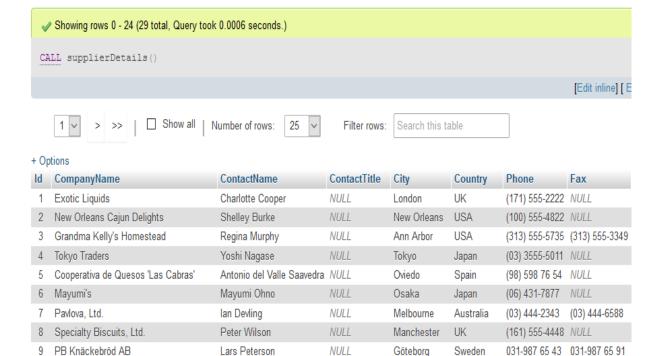
```
DELIMITER//
CREATE PROCEDURE select_supplier()
BEGIN
SELECT*FROM supplier;
END//
DELIMITER;
```

Refrescos Americanas LTDA

Heli Süßwaren GmbH & Co. KG

Plutzer Lebensmittelgroßmärkte AG

13 Nord-Ost-Fisch Handelsgesellschaft mbH Sven Petersen



NULL

NULL

NULL

NULL

Sao Paulo

Berlin

Frankfurt

Cuxhaven

Brazil

Germany

Germany

Germany

(11) 555 4640 NULL

(010) 9984510 NULL

(069) 992755 (04721) 8713 NULL

(04721) 8714

Carlos Diaz

Petra Winkler

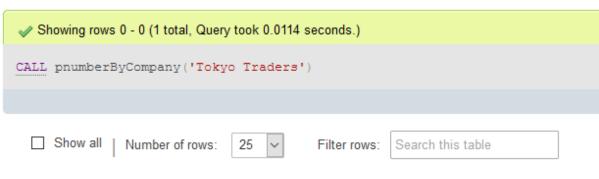
Martin Bein

```
1 DELIMITER //
  2 CREATE PROCEDURE supplier_by_country (IN prefered_country VARCHAR (40))
  4 SELECT*FROM supplier where Country=prefered_country;
  5 END//
  6 DELIMITER;
  7
  8
  Showing rows 0 - 1 (2 total, Query took 0.0006 seconds.)
 CALL supplierByCountry('UK')
    Show all
                  Number of rows:
                                   25
                                               Filter rows:
                                                          Search this table
+ Options
Id CompanyName
                          ContactName
                                         ContactTitle
                                                       City
                                                                  Country
                                                                            Phone
                                                                                          Fax
 1 Exotic Liquids
                          Charlotte Cooper NULL
                                                       London
                                                                  UK
                                                                            (171) 555-2222 NULL
 8 Specialty Biscuits, Ltd. Peter Wilson
                                         NULL
                                                       Manchester UK
                                                                            (161) 555-4448 NULL
```

03.

```
DELIMITER //
CREATE PROCEDURE supplier_phoneNo
(IN search_supplier VARCHAR (40),
OUT output_phoneNo VARCHAR (30))

BEGIN
SELECT phone INTO output_phoneNo FROM supplier where CompanyName=search_supplier;
END//
DELIMITER;
```



+ Options

Phone

(03) 3555-5011

04.

```
1 DELIMITER //
 2 CREATE PROCEDURE UnitPriceCategory
 3 (IN search_product VARCHAR (40),
 4 OUT proRate VARCHAR (30))
 5 BEGIN
 6 DECLARE product_price INT;
 7 SELECT UnitPrice INTO product_price FROM product WHERE ProductName=search_product;
 8 IF product_price > 100 THEN
 9 SET proRate = 'High';
10 ELSEIF (product_price <= 100 AND product_price >= 50) THEN
11 SET proRate = 'Medium';
12 ELSEIF (product_price < 50) THEN
13 SET proRate = 'Low';
14 END IF;
15 END//
16 DELIMITER;
```

05.

```
1 CREATE PROCEDURE SupplyCountry
 2 (IN sup_country VARCHAR (40),
 3 OUT no_product VARCHAR (40),
4 OUT lendstatus VARCHAR (30))
5 BEGIN
6 SELECT
7 COUNT(product.SupplierId) into no_product
8 FROM
9 product INNER JOIN supplier ON
10 product.SupplierId = supplier.Id
11 WHERE
12 supplier.Country=sup country LIMIT 10;
13 IF no_product > 9 THEN
14 SET lendstatus = 'Top Leading supplier country';
15 ELSEIF (no_product <= 9 AND no_product >= 5) THEN
16 SET lendstatus = 'Middle Leading supplier country';
17 ELSEIF (no_product < 5) THEN
18 SET lendstatus = 'Not a Leading supplier country';
19 END IF;
20 END//
21 DELIMITER;
```

```
DELIMITER //
CREATE PROCEDURE OrderItemCount(oid INT (11))
BEGIN
SELECT SUM(Quantity)
FROM orderitem
WHERE orderitem.OrderId = oid;
END //
DELIMITER;
```

```
DELIMITER //
CREATE PROCEDURE OrderItemCount(oid INT (11))
BEGIN

SELECT SUM(Quantity)
FROM orderitem
WHERE orderitem.OrderId = oid;
END//
DELIMITER;
```

07.

- Better Performance
- Easy use
- Scalable
- Maintainable