

# SCS2209 Database II

## Tutorial 05

01.

```
1 DELIMITER//
2 CREATE PROCEDURE select_supplier()
3 BEGIN
4 SELECT*FROM supplier;
5 END//
6 DELIMITER ;
7
```

✓ Showing rows 0 - 24 (29 total, Query took 0.0006 seconds.)

CALL supplierDetails()

[\[Edit inline\]](#) [\[E\]](#)

1 > >> | ☐ Show all | Number of rows: 25 Filter rows:

+ Options

Id	CompanyName	ContactName	ContactTitle	City	Country	Phone	Fax
1	Exotic Liquids	Charlotte Cooper	NULL	London	UK	(171) 555-2222	NULL
2	New Orleans Cajun Delights	Shelley Burke	NULL	New Orleans	USA	(100) 555-4822	NULL
3	Grandma Kelly's Homestead	Regina Murphy	NULL	Ann Arbor	USA	(313) 555-5735	(313) 555-3349
4	Tokyo Traders	Yoshi Nagase	NULL	Tokyo	Japan	(03) 3555-5011	NULL
5	Cooperativa de Quesos 'Las Cabras'	Antonio del Valle Saavedra	NULL	Oviedo	Spain	(98) 598 76 54	NULL
6	Mayumi's	Mayumi Ohno	NULL	Osaka	Japan	(06) 431-7877	NULL
7	Pavlova, Ltd.	Ian Devling	NULL	Melbourne	Australia	(03) 444-2343	(03) 444-6588
8	Specialty Biscuits, Ltd.	Peter Wilson	NULL	Manchester	UK	(161) 555-4448	NULL
9	PB Knäckebröd AB	Lars Peterson	NULL	Göteborg	Sweden	031-987 65 43	031-987 65 91
10	Refrescos Americanas LTDA	Carlos Diaz	NULL	Sao Paulo	Brazil	(11) 555 4640	NULL
11	Heli Süßwaren GmbH & Co. KG	Petra Winkler	NULL	Berlin	Germany	(010) 9984510	NULL
12	Plutzer Lebensmittelgroßmärkte AG	Martin Bein	NULL	Frankfurt	Germany	(069) 992755	NULL
13	Nord-Ost-Fisch Handelsgesellschaft mbH	Sven Petersen	NULL	Cuxhaven	Germany	(04721) 8713	(04721) 8714

02.

```
1 DELIMITER //
2 CREATE PROCEDURE supplier_by_country (IN preferred_country VARCHAR (40))
3 BEGIN
4 SELECT*FROM supplier where Country=preferred_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:

+ 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.

```
1 DELIMITER //
2 CREATE PROCEDURE supplier_phoneNo
3 (IN search_supplier VARCHAR (40),
4 OUT output_phoneNo VARCHAR (30))
5 BEGIN
6 SELECT phone INTO output_phoneNo FROM supplier where CompanyName=search_supplier;
7 END//
8 DELIMITER ;
9
```

✓ Showing rows 0 - 0 (1 total, Query took 0.0114 seconds.)

```
CALL pnumberByCompany('Tokyo Traders')
```

☐ Show all

Number of rows:

25



Filter rows:

Search this table

+ 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 ;|
```

06.

```
1 DELIMITER //  
2 CREATE PROCEDURE OrderItemCount(oid INT (11))  
3 BEGIN  
4     SELECT SUM(Quantity)  
5     FROM orderitem  
6     WHERE orderitem.OrderId = oid;  
7 END //  
8 DELIMITER ;
```

```
1 DELIMITER //  
2 CREATE PROCEDURE OrderItemCount(oid INT (11))  
3 BEGIN  
4     SELECT SUM(Quantity)  
5     FROM orderitem  
6     WHERE orderitem.OrderId = oid;  
7 END//  
8 DELIMITER ;|
```

07.

- Better Performance
- Easy use
- Scalable
- Maintainable