

SQL 과제

DA 20 기 이시영

```
1 #1
2 SELECT country, COUNT(DISTINCT offices.officeCode) as officeCounts, COUNT(employeeNumber) as employeeCounts
3 FROM offices
4 LEFT JOIN employees
5 ON offices.officecode = employees.officecode
6 GROUP BY country;
```

Result Grid Filter Rows: Search Export:

country	officeCounts	employeeCounts
Australia	1	4
France	1	5
Japan	1	2
UK	1	2
USA	3	10

Result 40

```
8 #2
9 SELECT *
10 FROM customers
11 WHERE contactFirstName LIKE 'R%';
12
```

Result Grid Filter Rows: Search Edit: Export/Import:

customer...	customerName	contactLastNa...	contactFirstNa...	phone	addressLine1	addressLine2	city	state	postalCode	country	salesRep...	creditLimit
128	Blauer See Auto, Co.	Keitel	Roland	+49 69 66 90 2555	Lyonerstr. 34		Frankfurt		60528	Germany	1504	59700.00
187	AV Stores, Co.	Ashworth	Rachel	(171) 555-1555	Faunteroy Circus		Manchester		EC2 5NT	UK	1501	136800.00
247	Messner Shopping Network	Messner	Renate	069-0555984	Magazinweg 7		Frankfurt		60528	Germany		0.00
409	Stuttgart Collectable Exchange	Müller	Rita	0711-555361	Adenauerallee 900		Stuttgart		70563	Germany		0.00
452	Mini Auto Werke	Mendel	Roland	7675-3555	Kirchgasse 6		Graz		8010	Austria	1401	45300.00
481	Raanan Stores, Inc.	Altagar, G M	Raanan	+ 972 9 959 8555	3 Hagalim Biv.		Herzlia		47625	Israel		0.00
486	Motor Mint Distributors Inc.	Salazar	Rosa	2155559857	11328 Douglas Av.		Philadelphia	PA	71270	USA	1323	72600.00

customers 41

```
13 #3
14 SELECT orders.status, count(orderNumber) as orderCounts
15 FROM customers
16 LEFT JOIN orders on orders.customerNumber = customers.customerNumber
17 where country = "USA"
18 group by 1
19 Having status = 'Cancelled' or status = 'On Hold';
20
```

Result Grid Filter Rows: Search Export:

status	orderCounts
Cancelled	1
On Hold	3

Result 42

```

21 #4
22 SELECT table1.officeCode, table1.counts as 고객수
23 FROM (
24     SELECT officeCode, COUNT(customerNumber) as counts
25     FROM customers
26     LEFT JOIN employees
27     ON salesRepEmployeeNumber = employeeNumber
28     WHERE salesRepEmployeeNumber is not null
29     GROUP BY officeCode
30 ) table1
31 ORDER BY table1.counts desc
32 limit 1;
33

```

Result Grid Filter Rows: Search

Export:

Fetch rows:

officeCode	고객수
4	29

Result 43

```

34 #5
35 SELECT *
36 FROM customers as C
37 JOIN (SELECT p.customerNumber, SUM(amount) as payAmounts
38     FROM payments as p
39     LEFT JOIN customers as c
40     ON p.customerNumber = c.customerNumber
41     WHERE paymentDate LIKE '2004-11%'
42     GROUP BY p.customerNumber
43     ORDER BY payAmounts desc
44     limit 1) as A
45 ON C.customerNumber = A.customerNumber;
46

```

Result Grid Filter Rows: Search

Export:

customer...	customerName	contactLastNa...	contactFirstNa...	phone	addressLine1	addressLine2	city	state	postalCode	country	salesRep...	creditLimit	custom...	payAmounts
259	Toms Spezialitäten, Ltd	Pfalzheim	Henriette	0221-5554327	Mehrheimerstr. 369	HULL	Köln	HULL	50739	Germany	1504	120400.00	259	61234.67

Result 44

```

47 #6
48 • SELECT MAX(datediff(shippedDate,orderDate)) as 최대소요기간, MIN(datediff(shippedDate,orderDate)) as 최소소요기간
49 FROM orders
50 WHERE orderDate LIKE '2005-01%';
51

```

Result Grid Filter Rows: Search Export:

	최대소요기간	최소소요기간
▶ 6	2	

Result 45

```

52 #7
53 • SELECT t2.customerNumber as purchasingKing, employees.*
54 FROM (
55     SELECT customers.*, t1.amount
56     FROM (
57         SELECT customerNumber, SUM(amount) as amount
58         FROM payments
59         WHERE paymentDate LIKE '2004%'
60         GROUP BY customerNumber
61     ) t1
62     INNER JOIN customers ON t1.customerNumber = customers.customerNumber
63     ORDER BY amount desc
64     limit 1
65 ) t2
66 INNER JOIN employees
67 ON employees.employeeNumber = t2.salesRepEmployeeNumber;

```

Result Grid Filter Rows: Search Export:

	purchasingKi...	employeeNumb...	lastName	firstName	extension	email	officeCode	reportsTo	jobTitle
▶ 141		1370	Hernandez	Gerard	x2028	ghernande@classicmodelcars.com	4	1102	Sales Rep

Result 46