/* 1. 국가별 office, employee 수 */

```
select o.country, count(o.officecode) 'office_num', count(e.employeenumber)
'employee_num'
from offices o join employees e on o.officecode=e.officecode
group by o.country;
```

country	office_num	employee_num
▶ USA	10	10
France	5	5
Japan	2	2
Australia	4	4
UK	2	2

/* 2.customerfirstname이 'R'로 시작하는 고객 리스트 */

```
select * from customers
where contactFirstname like 'R%';
```

	customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1	addressLine2	city	state	postalCode	cou
▶	128	Blauer See Auto, Co.	Keitel	Roland	+49 69 66 90 2555	Lyonerstr. 34	NULL	Frankfurt	NULL	60528	Ger
	187	AV Stores, Co.	Ashworth	Rachel	(171) 555-1555	Fauntleroy Circus	NULL	Manchester	NULL	EC2 5NT	UK
	247	Messner Shopping Network	Messner	Renate	069-0555984	Magazinweg 7	NULL	Frankfurt	NULL	60528	Ger
	409	Stuttgart Collectable Exchange	Müller	Rita	0711-555361	Adenauerallee 900	NULL	Stuttgart	NULL	70563	Ger
	452	Mini Auto Werke	Mendel	Roland	7675-3555	Kirchgasse 6	NULL	Graz	NULL	8010	Aus
	481	Raanan Stores, Inc	Altagar,G M	Raanan	+ 972 9 959 8555	3 Hagalim Blv.	NULL	Herzlia	NULL	47625	Isra
	486	Motor Mint Distributors Inc.	Salazar	Rosa	2155559857	11328 Douglas Av.	NULL	Philadelphia	PA	71270	USA
*	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

/* 3. order상태가 'Cancelled' 나 'On Hold'인 미국 고객의 주문 건수 */

```
select * from orders o join customers c on o.customerNumber =c.customernumber
where o.status in ('Cancelled', 'On Hold') and c.country='USA';
```

	orderNumber	orderDate	requiredDate	shippedDate	status	comments	customerNumber	customerNumber	customerName
▶	10248	2004-05-07	2004-05-14	NULL	Cancelled	Order was mistakenly placed. The warehouse n...	131	131	Land of Toys Inc.
	10401	2005-04-03	2005-04-14	NULL	On Hold	Customer credit limit exceeded. Will ship when a...	328	328	Tekni Collectables Inc.
	10414	2005-05-06	2005-05-13	NULL	On Hold	Customer credit limit exceeded. Will ship when a...	362	362	Gifts4AllAges.com
	10407	2005-04-22	2005-05-04	NULL	On Hold	Customer credit limit exceeded. Will ship when a...	450	450	The Sharp Gifts Warehouse

/* 4. 가장 많은 고객 담당한 office code */

```
select o.*
from offices o
        join
        (select e.employeenumber, e.officecode, count(c.customernumber) cust_num
        from employees e join customers c on
e.employeenumber=c.salesRepEmployeeNumber
        group by e.employeenumber, e.officecode
     order by cust_num desc limit 1) tab1
        on o.officecode=tab1.officecode;
```

	officeCode	city	phone	addressLine1	addressLine2	state	country	postalCode	territory
▶	4	Paris	+33 14 723 4404	43 Rue Jouffroy D'abbans	NULL	NULL	France	75017	EMEA

/* 5. 2004.11 최다 금액 결제 고객 정보 */

```
select c.*
from customers c join
(select customernumber, sum(amount) sum_pay from payments p
where paymentdate like '2004-11%'
group by customernumber order by sum_pay desc limit 1) tab2 on
c.customernumber=tab2.customernumber;
```

customerNumber	customerName	contactLastName	contactFirstName	phone	addressLine1	addressLine2	city	state	postalCode	country	salesRep
259	Toms Spezialitäten, Ltd	Pfalzheim	Henriette	0221-5554327	Mehrheimerstr. 369	NULL	Köln	NULL	50739	Germany	1504

/* 6. 2005.1 orderDate와 shippedDate 사이 기간 최대, 최솟값 */

```
select max(ship_days) max_days, min(ship_days) min_days
from
(select datediff(shippeddate, orderdate) ship_days from orders o
where o.orderdate like '2005-01%') tab3;
```

max_days	min_days
6	2

/* 7. 2004년 1년간 최다 금액 결제한 고객의 담당 employee정보 */

```
select e.* from
(select customernumber, sum(amount) sum_pay from payments p
where paymentdate like '2004%'
group by customernumber order by sum_pay desc limit 1) tab4
join customers c on tab4.customernumber = c.customernumber
join employees e on e.employeenumber = c.salesRepemployeenumber;
```

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