

# DB Assignment

2019.04.09

이창윤

# SQL문 문제 - A

- `use pubs;`

# A-1

- `select P.pub_name as 출판사, count(*) as 직원수`  
`from employee as E, publishers as P`  
`where E.pub_id = P.pub_id`  
`group by 출판사`  
`order by 직원수 asc;`

	출판사	직원수
▶	Five Lakes Publishing	1
	Ramona Publishers	1
	GGG&G	1
	Scootney Books	3
	Lucerne Publishing	7
	Binnet & Hardley	10
	Algodata Infosystems	10
	New Moon Books	10

# A-2-i

- `select stor.stor_name as 서점, sum(sal.qty) as 주문수량, sum(sal.qty * t.price) as 주문금액`  
`from sales as sal, titles as t, stores as stor`  
`where sal.ord_date like '%1993%' and stor.stor_id = sal.stor_id`  
`and sal.title_id = t.title_id`  
`group by 서점 order by 서점 asc;`

	서점	주문수량	주문금액
▶	Barnum's	50	1000
	Bookbeat	55	990
	Doc-U-Mat: Quality Laundry and Books	85	1115
	Fricative Bookshop	60	605

# SQL문 문제 - A

# A-2-ii

- ```
select stor.stor_name as 서점, total.qty as 주문수량, total.price as 주문금액
from (select stor_name from stores) as stor
left join (select stor.stor_name as stor_name, sum(sal.qty) as qty, sum(sal.qty * t.price) as price
           from sales as sal, titles as t, stores as stor
           where sal.ord_date like '%1993%' and stor.stor_id = sal.stor_id
           and   sal.title_id = t.title_id
           group by stor_name) as total
on stor.stor_name = total.stor_name;
```

|   | 서점                                   | 주문<br>수량 | 주문<br>금액 |
|---|--------------------------------------|----------|----------|
| ▶ | Barnum's                             | 50       | 1000     |
|   | Doc-U-Mat: Quality Laundry and Books | 85       | 1115     |
|   | Fricative Bookshop                   | 60       | 605      |
|   | Bookbeat                             | 55       | 990      |
|   | Eric the Read Books                  | NULL     | NULL     |
|   | News & Brews                         | NULL     | NULL     |

# SQL문 문제 - A

# A-4

- ```
select t.title as '책 이름'
from titleauthor as ta , titles as t
where t.title_id = ta.title_id
and ta.title_id not in (select ta.title_id
                        from titleauthor as ta
                        where ta.au_ord <> 1);
```

	책 이름
▶	You Can Combat Computer Stress!
	Straight Talk About Computers
	Silicon Valley Gastronomic Treats
	But Is It User Friendly?
	Net Etiquette
	Life Without Fear
	Prolonged Data Deprivation: Four Case Studies
	Emotional Security: A New Algorithm
	Onions, Leeks, and Garlic: Cooking Secrets of t...
	Fifty Years in Buckingham Palace Kitchens

# A-5

- ```
select concat(concat(a.au_fname, ' '), a.au_lname) as '저자 이름'
from authors as a, (select au_id, count(*) as count from titleauthor group by au_id) as total
where a.au_id = total.au_id
and total.count >= all (select count(*) from titleauthor group by au_id);
```

|   | 저자 이름              |
|---|--------------------|
| ▶ | Marjorie Green     |
|   | Michael O'Leary    |
|   | Charlene Locksley  |
|   | Stearns MacFeather |
|   | Anne Ringer        |
|   | Albert Ringer      |

# SQL문 문제 - B

- `use classicmodels;`

# B-1

- `select month(ord.orderDate) as 월별, sum(ordd.priceEach * ordd.quantityOrdered) as 판매량`  
`from orders as ord, orderdetails as ordd`  
`where ord.orderNumber = ordd.orderNumber`  
`and ord.status <> 'Cancelled'`  
`and ord.orderDate like '%2004%'`  
`group by 월별;`

|   | 월별 | 판매량       |
|---|----|-----------|
| ▶ | 1  | 292385.21 |
|   | 2  | 289502.84 |
|   | 3  | 217691.26 |
|   | 4  | 187575.77 |
|   | 5  | 206880.09 |
|   | 6  | 213092.46 |
|   | 7  | 325563.49 |
|   | 8  | 419327.09 |
|   | 9  | 283799.80 |
|   | 10 | 500233.86 |
|   | 11 | 979291.98 |
|   | 12 | 428838.17 |

# SQL문 문제 - B

# B-2

- ```
select off.officeCode as 회사명, count(ord.customerNumber) as '주문 횟수',  
      avg(ordd.priceEach * ordd.quantityOrdered) as '평균 주문 금액',  
      max(ordd.priceEach * ordd.quantityOrdered) as '최대 주문 금액'  
from offices as off, employees as e, customers as c, orders as ord, orderdetails as ordd  
where ord.orderNumber = ordd.orderNumber and c.customerNumber = ord.customerNumber  
and e.employeeNumber = c.salesRepEmployeeNumber and e.officeCode = off.officeCode  
group by 회사명 order by 회사명;
```

	회사명	주문 횟수	평균 주문 금액	최대 주문 금액
▶	1	445	3211.378809	10723.60
	2	276	3233.835580	9242.00
	3	353	3279.290992	9571.08
	4	959	3215.601230	11170.52
	5	137	3336.569854	8197.20
	6	370	3100.476622	10460.16
	7	456	3151.207675	11503.14

# SQL문 문제 - B

# B-3

- ```
select e.officeCode as 회사명, ord.orderDate as '주문 날짜', ordd.priceEach * ordd.quantityOrdered as '주문 금액'
from orders as ord, orderdetails as ordd, customers as c, employees as e
where ord.orderNumber = ordd.orderNumber
and   ord.customerNumber = c.customerNumber and c.salesRepEmployeeNumber = e.employeeNumber
and   ordd.priceEach * ordd.quantityOrdered >= all (select ordd.priceEach * ordd.quantityOrdered
  from orderdetails as ordd);
```

|   | 회사명 | 주문 날짜      | 주문 금액    |
|---|-----|------------|----------|
| ▶ | 7   | 2005-04-08 | 11503.14 |