

Chapter 09. Aggregation

Aggregation

1. The Blunder

- 집계함수 사용
- Replace 함수 사용
- CEIL 함수 사용

```
1 • SELECT ceil(avg(salary) - avg(replace(salary, '0', '')))  
2 FROM EMPLOYEES
```

🎯 2. Top Earners

- 집계함수 사용
- Scalar Subquery 사용

```
1 • select salary*months as earnings
2     , count(*)
3   from Employee
4  where salary*months = (select max(salary*months) from Employee)
5  group by 1
```

🎯 3. Weather Observation Station 15

- 집계함수 사용
- Scalar Subquery 사용

```
1 • SELECT ROUND (LONG_W, 4)
2   FROM STATION
3   WHERE LAT_N = (SELECT max (LAT_N)
4                  FROM STATION
5                  WHERE LAT_N < 137.2345)
```

🎯 4. Weather Observation Station 19

- 유클리디안 거리 공식에 대입하기
- 숫자형 함수 POWER 사용

```
1 • ○ SELECT round(sqrt(  
2           power(max(LAT_N) - min(LAT_N),2)  
3           + power(max(LONG_W) - min(LONG_W),2)  
4           ),4)  
5 FROM STATION
```

🎯 5. Weather Observation Station 20

- Median 이해하기
- 순위함수 사용
- 올림, 내림 함수 사용

```
1 • with ordering as (  
2     select LAT_N  
3         , row_number() over(order by LAT_N asc) as lat_order  
4     from STATION  
5 )  
6  
7  
8 select round(avg(LAT_N),4)  
9 from ordering  
10 where lat_order = (select floor(avg(lat_order)) from ordering)  
11    or lat_order = (select ceil(avg(lat_order)) from ordering)
```