

ข้อที่ 1

```
select 'Komsan Srichum';
```

ข้อที่ 2

```
select * from employees e where lower(e.first_name) like 'm%';
```

ข้อที่ 3

```
select      to_char(current_date, 'dd-MON-yy') as date1,
            to_char(current_date, 'Month dd,yyyy') as date2,
            to_char(current_date, 'dd/mm/yyyy') as date3;
```

ข้อที่ 4

```
select first_name || ' ' || last_name as name, salary from
employees e where e.salary between 50000 and 55000;
```

ข้อที่ 5

```
select first_name || ' ' || last_name as name, salary *
(coalesce(commission_pct,0)+1) from employees e where e.salary
is not null;
```

ข้อที่ 6

```
select first_name || ' ' || last_name as name, email ,
phone_number from employees e where phone_number is not null;
```

ข้อที่ 7

```
select first_name || ' ' || last_name as name, email ,
phone_number, department_id from employees e where
department_id not in(3,4,5) ;
```

ข้อที่ 8

```
select first_name || ' ' || last_name as name, email ,
phone_number, coalesce(to_char(department_id, '0'), 'New
employee') from employees e;
```

ข้อที่ 9

```
select
    first_name || ' ' || last_name as name, email , phone_number,
salary
from
    employees e
where
    department_id in (3,4,5)
    and salary >= 59000 order by hire_date desc ;
```

ข้อที่ 10

```
select first_name || ' ' || last_name as name, email ,  
phone_number, to_char(salary, '999,999.00')  
from employees e where salary is not null ;
```

ข้อที่ 11

```
select e.first_name || ' / ' || d.department_name  
from employees e left join departments d on d.department_id =  
e.department_id  
where e.department_id is not null;
```

ข้อที่ 12

```
select e.first_name || ' ' || e.last_name as name, e.email ,  
e.hire_date from employees e left join countries c on  
c.country_id = e.country_id  
where c.country_name not in ('China','Australia','Japan');
```

ข้อที่ 13

```
select to_char(avg(salary),'999,999.00') as avg, min(salary),  
max(salary), department_id  
from employees e  
where e.department_id is not null group by e.department_id ;
```

ข้อที่ 14

```
select sum(salary), department_id from employees e where  
first_name like '%l%' and department_id is not null group by  
department_id ;
```

ข้อที่ 15

```
select e.first_name , d.department_name , c.country_name ,  
r.region_name  
from employees e  
left join countries c on c.country_id = e.country_id  
left join regions r on r.region_id = c.region_id  
left join departments d on d.department_id = e.department_id  
where r.region_name != 'Asia' and d.department_name not in  
( 'Marketing', 'IT');
```

ข้อที่ 16

```
select count(e.employee_id) as count_emp, c.country_name  
from employees e  
left join countries c on c.country_id = e.country_id  
group by c.country_id order by count_emp asc;
```

ข้อที่ 17

```
select e.first_name , e.last_name, e.salary from employees e
where e.salary < (select salary from employees e2 where
e2.employee_id = 34 )
and e.department_id = (select department_id from employees e2
where e2.employee_id = 34 );
```

ข้อที่ 18

```
select
    e.first_name,
    e.last_name,
    d.department_name ,
    e.salary,
    case
        when d.department_name = 'Marketing' then e.salary * 1.1
        when d.department_name = 'IT' then e.salary * 1.45
        when d.department_name = 'Sales' then e.salary * 1.75
        else e.salary
    end REVISED_SALARY
from
    employees e
left join departments d on d.department_id = e.department_id
where
    e.salary is not null and lower( e.first_name) not like 'm%' and
e.first_name not like '%a'
order by e.first_name asc;
```

ข้อที่ 19

```
select * from employees e
left join countries c on c.country_id = e.country_id
where e.salary in (
select distinct round(avg(e.salary)) as avg_salary from
employees e group by e.country_id
);
```

ข้อที่ 20

```
select
    e.department_id,
    count(e.employee_id) as num_of_duplicates
from
    employees e
group by
    e.department_id
order by num_of_duplicates desc;
```

ข้อที่ 21

```
create table persons_komsan(  
EMP_NO SERIAL PRIMARY KEY NOT NULL ,  
FIRSTNAME VARCHAR(50) NOT NULL,  
LASTNAME VARCHAR(50) NOT NULL,  
BD_DATE DATE  
);
```

ข้อที่ 22

```
insert into  
persons_komsan (firstname, lastname)  
values  
( 'friendname', 'friendlastname' ),  
( 'friendname2', 'friendlastname2' );
```

ข้อที่ 23

```
update persons_komsan  
set firstname = upper(firstname),  
lastname = upper(lastname) ;
```

ข้อที่ 24

```
delete from persons_komsan where emp_no = 2
```

ข้อที่ 25

```
drop table persons_komsan
```

ข้อที่ 26

```
select * from employees e where e.salary notnull order by  
e.salary desc limit 3
```

ข้อที่ 27

```
select * from (
    select e.department_id ,department_name, e.salary,
    ROW_NUMBER () OVER (
        PARTITION BY e.department_id
    ORDER BY
        e.salary
    ) as rn
    from departments d
    left join employees e on e.department_id = d.department_id
    where
        e.salary notnull and e.department_id =
d.department_id
order by
    e.salary, e.department_id desc)
where rn <= 3
order by department_id,rn
```