

Classroom Problem 9 Sep

union of job_id, department_id from employees and job history table

```
select employee_id, job_id
from
`HR.employees`
union distinct
select job_id, employee_id
from
`HR.job_history`
```

```
select employee_id, job_id
from
`HR.employees`
union all
select job_id, employee_id
from
`HR.job_history`
```

-- H.W: what happens to null values when we do union operation

#Q For all employees find their department name and their job title

```
select
e.first_name, d.department_name, j.job_title
from `HR.employee` e
left join `HR.department` d
on d.department_id = e.department_id
left join `HR.jobs` j
on j.job_id = e.job_id
```

#Q display number of employees in each department. Display department name(not id)

```
select d.department_name, count(e.employee_id) as employee_count
from `HR.employee` e
full join `HR.department` d
on d.department_id = e.department_id
group by d.department_name
```

#Q: display the name of managers of all employees

```
select
```

```
e.employee_id,e.first_name,e.manager_id,m.first_name as manager_name
from `HR.employee` e
left join `HR.employee` m
on e.manager_id = m.employee_id
```

#Q: display all employees who earn more than their manager

```
select
e.employee_id,e.first_name,e.manager_id,m.first_name as manager_name,
e.salary, m.salary as mgr_salary
from `HR.employee` e
left join `HR.employee` m
on e.manager_id = m.employee_id
where e.salary > m.salary
```

#Q compare salary of employees with each other

```
select e1.first_name, e1.salary, e2.first_name, e2.salary
from `HR.employee` e1
inner join `HR.employee` e2
on e1.employee_id < e2.employee_id
```