

Week-5

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423155

```
231  > Run | + Tab | JSON
232  select loc, count(*) as employee_count
233  from employee e
234  join department d on e.deptno = d.deptno
235  group by loc;
236
237  > Run | + Tab | JSON
238  select dname, count(*) as employee_count
239  from employee e
240  join department d on e.deptno = d.deptno
241  group by dname;
242
243  > Run | + Tab | JSON
244  select dname, sum(sal) as total_salary
245  from employee e
246  join department d on e.deptno = d.deptno
247  group by dname;
248
249  > Run | + Tab | JSON
250  select ename
251  from employee e
252  join department d on e.deptno = d.deptno
253  where loc = 'new york' and ename like 'c%';
254
255  > Run | + Tab | JSON
256  select ename
257  from employee e
258  join department d on e.deptno = d.deptno
259  where loc = 'dallas' and job = 'clerk'
260  order by hiredate asc
261  limit 1;
262
263  > Run | + Tab | JSON
264  select ename, max(sal) as max_salary
265  from employee e
266  join department d on e.deptno = d.deptno
267  where loc = 'chicago' and job = 'salesman'
268  group by ename
269  order by max_salary desc
270  limit 1;
271
272  > Run | + Tab | JSON
273  select dname, max(sal) as max_salary
274  from employee e
275  join department d on e.deptno = d.deptno
276  group by dname;
```

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272 select loc, dname
273 from employee e
274 join department d on e.deptno = d.deptno
275 where ename = 'scott';
276
  ▷ Run | + Tab | JSON
277 select count(*) as employee_count
278 from employee e
279 join department d on e.deptno = d.deptno
280 where dname = 'research';
281
  ▷ Run | + Tab | JSON
282 select *
283 from employee e
284 join department d on e.deptno = d.deptno
285 where dname = 'accounting'
286 order by hiredate asc;
287
  ▷ Run | + Tab | JSON
288 select e.ename, e.empno, d.dname, d.loc
289 from employee e
290 join department d on e.deptno = d.deptno
291 where e.job = 'president';
292
  ▷ Run | + Tab | JSON
293 select e.ename, e.empno
294 from employee e
295 join department d on e.deptno = d.deptno
296 where d.loc = 'dallas' and e.job = 'clerk'
297 order by sal desc, hiredate asc
298 limit 1;
299
  ▷ Run | + Tab | JSON
300 select dname, count(*) as manager_count
301 from employee e
302 join department d on e.deptno = d.deptno
303 where job = 'manager'
304 group by dname;
305
  ▷ Run | + Tab | JSON
306 select e.ename
307 from employee e
308 join department d on e.deptno = d.deptno
309 where d.loc = 'chicago'
310 order by hiredate asc
311 limit 1;
312

```

▷ Run | + Tab | JSON

```
select dname, avg(sal) as average_salary
from employee e
join department d on e.deptno = d.deptno
group by dname;
```

▷ Run | + Tab | JSON

```
select e.*
from employee e
join department d on e.deptno = d.deptno
where d.dname = 'research' and e.job = 'clerk' and e.hiredate <= '1981-12-31';
```

▷ Run | + Tab | JSON

```
select d.loc, e.ename
from employee e
join department d on e.deptno = d.deptno
where (d.loc, e.hiredate) in (
    select loc, min(hiredate)
    from employee e1
    join department d1 on e1.deptno = d1.deptno
    group by loc
);
```

▷ Run | + Tab | JSON

```
select d.dname, e.ename
from employee e
join department d on e.deptno = d.deptno
where (d.dname, e.hiredate) in (
    select dname, max(hiredate)
    from employee e1
    join department d1 on e1.deptno = d1.deptno
    group by dname
);
```