

# Week-5

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423155

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

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▷ 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
);
```