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-- Query 1-----
;
select F_NAME , L_NAME
from EMPLOYEES
where ADDRESS LIKE '%Elgin,IL%' ;
--Query 2--
;
select F_NAME , L_NAME
from EMPLOYEES
where B_DATE LIKE '197%' ;
---Query3--
;
select *
from EMPLOYEES
where (SALARY BETWEEN 60000 and 70000) and DEP_ID = 5 ;
--Query4A--
;
select F_NAME, L_NAME, DEP_ID
from EMPLOYEES
order by DEP_ID;
--Query4B--
;
select F_NAME, L_NAME, DEP_ID
from EMPLOYEES
order by DEP_ID desc, L_NAME desc;
--Query5A--
;
select DEP_ID, COUNT(*)
from EMPLOYEES
group by DEP_ID;
--Query5B--
;
select DEP_ID, COUNT(*), AVG(SALARY)
from EMPLOYEES
group by DEP_ID;
--Query5C--
;
select DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AVG_SALARY"
from EMPLOYEES
group by DEP_ID;
--Query5D--
;
select DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AVG_SALARY"
from EMPLOYEES
group by DEP_ID
order by AVG_SALARY;
--Query5E--
;
select DEP_ID, COUNT(*) AS "NUM_EMPLOYEES", AVG(SALARY) AS "AVG_SALARY"
from EMPLOYEES
group by DEP_ID
having count(*) < 4
order by AVG_SALARY;
--5E alternative: if you want to use the label
select DEP_ID, NUM_EMPLOYEES, AVG_SALARY from
( select DEP_ID, COUNT(*) AS NUM_EMPLOYEES, AVG(SALARY) AS AVG_SALARY from EMPLOYEES group by
DEP_ID)
where NUM_EMPLOYEES < 4
order by AVG_SALARY;
--BONUS Query6--
;
select D.DEP_NAME , E.F_NAME, E.L_NAME
from EMPLOYEES as E, DEPARTMENTS as D

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where E.DEP_ID = D.DEPT_ID_DEP  
order by D.DEP_NAME, E.L_NAME desc ;
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