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-- (I)
--1 -> (7)
select count(*) from employees where lower(first_name) like 'k%';
--2 -> (132 TJ Olson)
select employee_id, first_name, last_name from (select employee_id, first_name, last_name
from employees order by salary) where rownum = 1;
--3 -> (114 Den | 100 Steven)
select distinct employee_id, first_name from employees where employee_id in (select
manager_id from employees where department_id = 30)
order by first_name;
--4
select employee_id, first_name, last_name, (select count(*) from employees where manager_id
= e.employee_id) as "Subalterni" from employees e;
--5
select employee_id, first_name, last_name from employees e where (select count(1) from
employees where employee_id!=e.employee_id and last_name = e.last_name) > 0;
--6
select department_id, department_name from departments d where (select distinct count(1)
from employees where department_id = d.department_id)>2;

-- (II)
--7 -> (100, 25, 2)
select qty from orders_tbl join products_tbl using (prod_id) where lower(prod_desc) like
'%plastic%';
--8
select e.last_name as "angajat", c.cust_name as "client" from orders_tbl o join employee_tbl e
on (o.sales_rep = e.emp_id) join customer_tbl c on (o.cust_id = c.cust_id);
--9
select prod_desc from orders_tbl o join products_tbl using (prod_id) where o.sales_rep in
(select sales_rep from orders_tbl join products_tbl using (prod_id) where length(prod_desc)>2
and lower(prod_desc) like '% p%');
--10 -> (WENDY WOLF, GAVINS PLACE)
select cust_name from orders_tbl join customer_tbl using (cust_id) where to_char(ord_date,
'dd') = 17;
--11 -> (Jacbo Glass 20000 1000)
select first_name, last_name, salary, bonus from employee_tbl join employee_pay_tbl using
(emp_id) where salary < 32000 and bonus*17 < 32000;
--12 -> (Brandon 103)
select e.first_name, sum(q.qty) as "Cantitate" from employee_tbl e, (select qty, sales_rep from
orders_tbl) q where q.sales_rep = e.emp_id
group by q.sales_rep, e.first_name
having sum(q.qty)>50 or count(q.sales_rep) = 0;
--13
select first_name, salary, o."last_date" from employee_tbl join employee_pay_tbl using
(emp_id), (select max(ord_date) as "last_date", sales_rep from orders_tbl group by sales_rep) o
where o.sales_rep = emp_id;
--14
select prod_id, prod_desc from products_tbl where cost > (select avg(cost) from products_tbl);
--15
select last_name, first_name, salary, bonus, t."salariu_total", t."bonus_total" from employee_tbl
join employee_pay_tbl using (emp_id),
(select sum(salary) as "salariu_total", sum(bonus) as "bonus_total" from employee_pay_tbl) t;
--16 -> (Whiteland si Indianapolis)

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select city from employee_tbl e order by (select count(*) from orders_tbl where e.emp_id =
sales_rep) desc;
--17
select ord_num, last_name,
(select count(*) from orders_tbl where sales_rep = e.emp_id and to_char(ord_date, 'mm') = 9)
as "Septembrie",
(select count(*) from orders_tbl where sales_rep = e.emp_id and to_char(ord_date, 'mm') = 10)
as "Octombrie"
from employee_tbl e join orders_tbl on (emp_id = sales_rep);
--18
select cust_name, cust_city, cust_zip from customer_tbl c where cust_zip like '[0-9]%'
and (select count(ord_num) from orders_tbl where cust_id = c.cust_id) = 0;

select cust_name, cust_city, cust_zip from customer_tbl c where
(select count(ord_num) from orders_tbl where cust_id = c.cust_id) = 0;
--19
select emp_id, last_name, city, c.cust_id, c.cust_name, c.cust_city from employee_tbl,
(select cust_id, cust_name, cust_city from customer_tbl) c where c.cust_city != city;
--20
select avg(salary) as "Media salariilor" from employee_pay_tbl;
--21
--a -> DA
SELECT CUST_ID, CUST_NAME FROM CUSTOMER_TBL
WHERE CUST_ID =
(SELECT CUST_ID
FROM ORDERS_TBL
WHERE ORD_NUM = '16C17');
--b -> NU
SELECT EMP_ID, SALARY
FROM EMPLOYEE_PAY_TBL
WHERE SALARY BETWEEN '20000'
AND (SELECT SALARY
FROM employee_pay_tbl
WHERE SALARY = '40000');
--22
select first_name, pay_rate from employee_tbl join employee_pay_tbl using (emp_id)
where pay_rate > (select max(pay_rate) from employee_tbl join employee_pay_tbl using
(emp_id) where lower(last_name) like '%ll%');

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