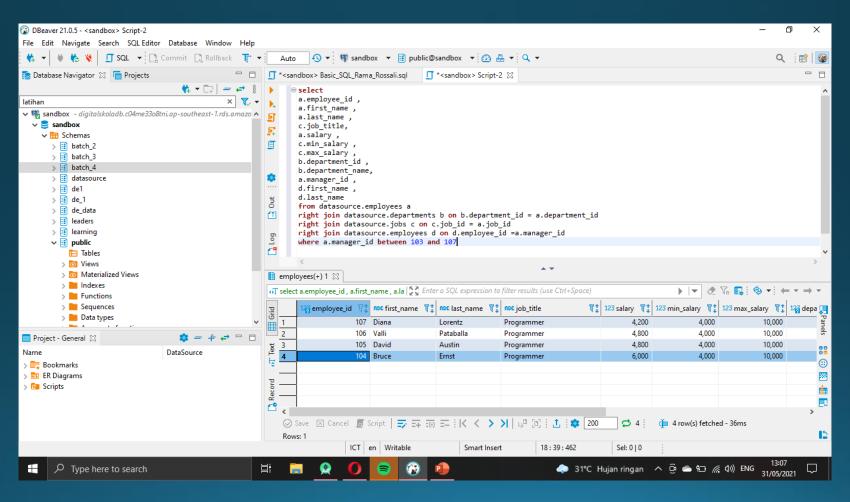
Homework 2 Advance SQL

Rama Rossali

Who is manager of employee number 104,105,106,107? and what department they are in?



Please show me total employees in each department. And sort them from the least to the most employees

```
job title ,
    count(distinct employee id) as total employee,
    avg(salary) as average salary
from (
select
    a.employee id ,
    a.first name ,
    a.last name .
    c.job title,
    a.salary ,
    c.min salary ,
    c.max salary ,
    b.department_id ,
    b.department name,
    a.manager id ,
    d.first name ,
    d.last name
from datasource.employees a
right join datasource.departments b on b.department id = a.department id
right join datasource.jobs c on c.job id = a.job id
right join datasource.employees d on d.employee_id =a.manager_id
) table1
group by 1
order by 2 desc
```

job_title , count(distinct employer 🔭 🛣 Enter a SQL expression to filter results (use Ctrl 4					
pac job_title	123 total_employee	T:	12⅓ average_salary 📆 🕏		
Sales Representative		29	8,396.5517241379		
Stock Clerk		20	2,785		
Shipping Clerk		20	3,215		
Sales Manager		5	12,200		
Stock Manager		5	7,280		
Purchasing Clerk		5	2,780		
Programmer		5	5,760		
Accountant		5	7,920		
Administration Vice President		2	17,000		
Public Accountant		1	8,300		
Accounting Manager		1	12,000		
Administration Assistant		1	4,400		
Finance Manager		1	12,000		
Human Resources Representative		1	6,500		
Marketing Manager		1	13,000		
Marketing Representative		1	6,000		
Public Relations Representative		1	10,000		
Purchasing Manager		1	11,000		
[NULL]		0	[NULL]		

Which top 5 non-managerial employees who has highest salary? and what is their job name?

Sales Representative, Shipping Clerk, Accountant, Programmer, Purchasing Clerk.

```
select
    job title ,
    count(distinct employee id) as total employee,
    avg(salary) as average salary
select
    a.employee id,
    a.first name ,
    a.last name ,
    c.job title,
    a.salary ,
    c.min salary,
    c.max salary ,
    b.department id ,
    b.department name,
    a.manager id ,
    d.first name ,
    d.last name
from datasource.employees a
right join datasource.departments b on b.department id = a.department id
right join datasource.jobs c on c.job id = a.job id
right join datasource.employees d on d.employee id =a.manager id
) table1
group by 1
order by 2 desc, 3 desc
```

201	ect job_title , count(distinct employe) Lanter a SQL expression to filter results (use Cl						
	pec job_title \(\frac{1}{4}\)	123 total_employee	T‡	12∄ average_salary \\\^\$\\\$			
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	Public Relations Representative		1	10,000			
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	[NULL]		0	[NULL]			