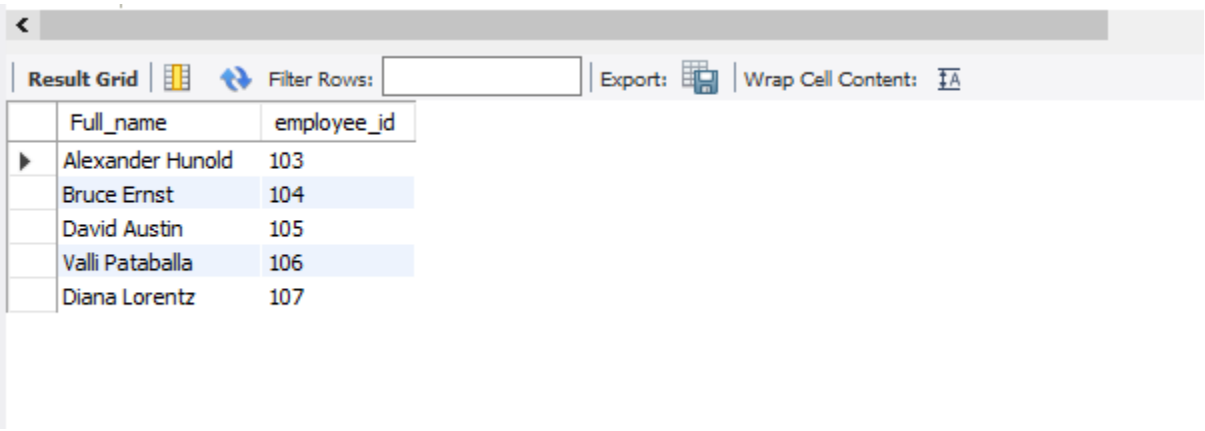
Sprint 3 : Retrieve Data From Multiple Tables (Practice)

/* Task 1 :

Fetch the names & IDs of the employees who are working in the IT department

***/**

```
select concat(first_name,' ',last_name) as Full_name,employee_id from employees
inner join departments using(department_id)
where department_name ='it';
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

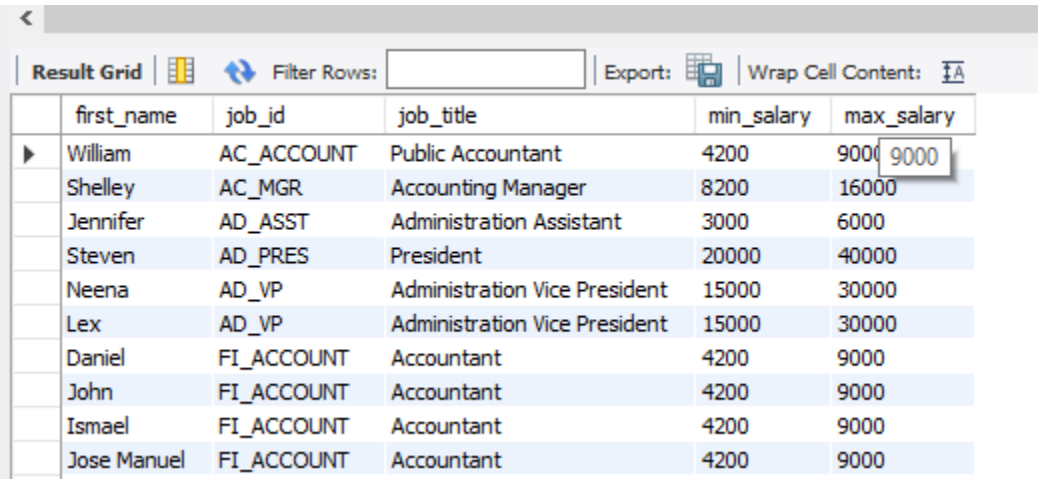
Full_name	employee_id
Alexander Hunold	103
Bruce Ernst	104
David Austin	105
Valli Pataballa	106
Diana Lorentz	107

/* Task 2 :

Fetch the first_name,job ID,job title, minimum salary, and maximum salary of all employees

***/**

```
select first_name,job_id,job_title,min_salary,max_salary from employees
inner join jobs using(job_id);
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

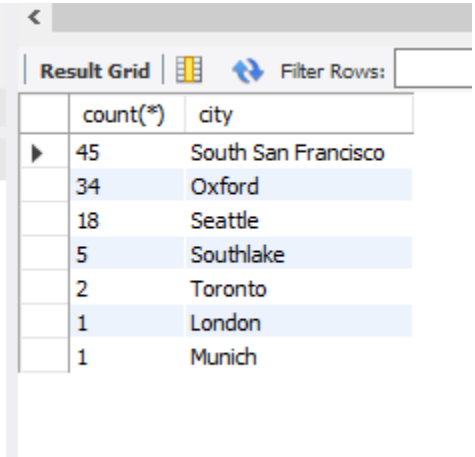
first_name	job_id	job_title	min_salary	max_salary
William	AC_ACCOUNT	Public Accountant	4200	9000
Shelley	AC_MGR	Accounting Manager	8200	16000
Jennifer	AD_ASST	Administration Assistant	3000	6000
Steven	AD_PRES	President	20000	40000
Neena	AD_VP	Administration Vice President	15000	30000
Lex	AD_VP	Administration Vice President	15000	30000
Daniel	FI_ACCOUNT	Accountant	4200	9000
John	FI_ACCOUNT	Accountant	4200	9000
Ismael	FI_ACCOUNT	Accountant	4200	9000
Jose Manuel	FI_ACCOUNT	Accountant	4200	9000

/* Task 3 :

Identify the top 10 cities wich have largest number of employees

***/**

```
select count(*), city from employees
inner join departments using(department_id)
inner join locations using (location_id)
group by city
order by 1 desc
limit 10;
```



Result Grid | Filter Rows:

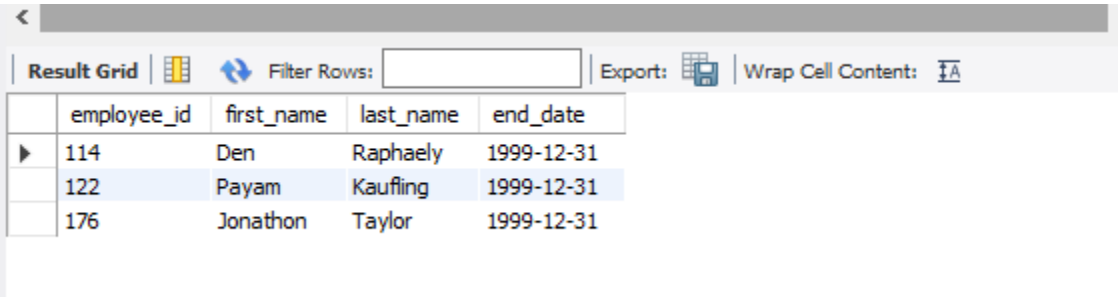
count(*)	city
45	South San Francisco
34	Oxford
18	Seattle
5	Southlake
2	Toronto
1	London
1	Munich

/* Task 4 :

Fetch the employee IDs and names of all employees whose last working day (end date) in the organization was 1999-12-31

*/

```
select employee_id,first_name,last_name,end_date from employees
inner join job_history using(employee_id)
where end_date='1999-12-31';
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

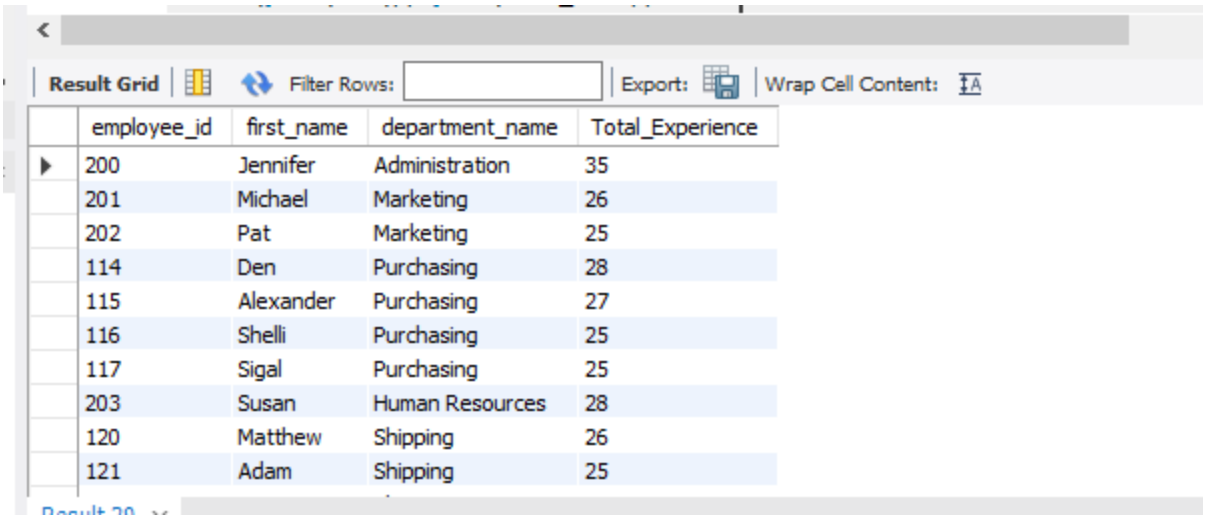
employee_id	first_name	last_name	end_date
114	Den	Raphaely	1999-12-31
122	Payam	Kaufling	1999-12-31
176	Jonathon	Taylor	1999-12-31

/* Task 5 :

Fetch the employee ID, first name, department name, and total experience (current date-hiring date) of all employees who have completed at least 25 years in the organzation

*/

```
select  employee_id,first_name,department_name, (year(now())-year(hire_date)) as Total_Experience
from employees inner join departments
using(department_id)
where (year(now())-year(hire_date))>= 25;
```



Result Grid | Filter Rows: | Export: | Wrap Cell Content:

employee_id	first_name	department_name	Total_Experience
200	Jennifer	Administration	35
201	Michael	Marketing	26
202	Pat	Marketing	25
114	Den	Purchasing	28
115	Alexander	Purchasing	27
116	Shelli	Purchasing	25
117	Sigal	Purchasing	25
203	Susan	Human Resources	28
120	Matthew	Shipping	26
121	Adam	Shipping	25