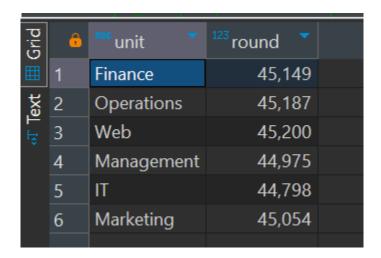
CTE:

Q.1 Calculate the average salary by department for all Analysts.



Q.2 List all employees who have used more than 10 leaves.

```
with

professional_leaves as (

select * from professional where leaves_used > 10
)
select first_name, last_name, leaves_used from professional_leaves;
```

_					
Grid	6	first_name	last_name	leaves_used	_
	1	CHERRY	AQUILAR		22
*I Text	2	LEON	ABOULAHOUD		27
	3	VICTORIA	[NULL]		20
	4	ELLIOT	AGULAR		19
	5	JACQUES	AKMAL		29
	6	KATHY	ALSOP		20
	7	LILIAN	APELA		15
	8	BELLE	ARDS		22
	9	WELDON	AIVAO		15
	10	BOYD	AFTON		23
	11	BART	AGUILLERA		30
	12	CORINNE	ANDRZEJCZYK		16
	13	ALONZO	ADSIDE		27
	14	ROYCE	AGOSTO		27
	15	BURTON	AGUILER		21
	16	ORVILLE	ADNEY		23
	17	KORY	ALEGRIA		28
	18	NETTIE	ANDRADA		15
	19	WENDI	APPERT		28
	20	BRENT	ABRIL		28
	21	HARRIETTE	ARMSTRONG		17
	22	GARLAND	AGLER		30
	23	OSWALDO	ALLENBAUGH		15
	24	SEYMOUR	ALBEN		25
	25	ROXANNE	AMRINE		29
ord	26	CLAUD	ALLATEEF		22
Record	27	MARIANNA	ARGENTIERI		30

VIEWS:

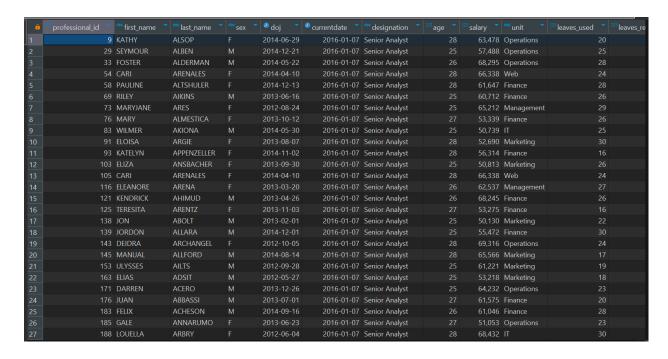
Q.3 Create a view to show the details of all Senior Analysts.

create view Senior analyst as

select * from professional where designation = 'Senior Analyst';

SELECT *

FROM "Assignment04".senior_analyst;

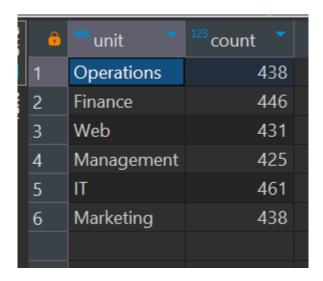


Q.4 Create a materialized view to store the count of employees by department.

create materialized view department_count as
 select unit, count(unit) from professional p group by unit;

SELECT unit, count

FROM "Assignment04".department_count;



PROCEDURE:

Q.6 Create a procedure to update an employee's salary by their first name and last name.

```
CREATE OR REPLACE PROCEDURE update professional salary(
 p_first_name VARCHAR(50),
 p last name VARCHAR(50),
 p_new_salary DECIMAL(10, 2)
LANGUAGE SQL
AS $$
UPDATE professional
SET salary = p new salary
WHERE professional id = (
       select professional id
       from professional
              where first_name = p_first_name 4
              and last_name = p_last_name
                      limit 1);
$$;
call update_professional_salary('OLIVE', 'ANCY', 80000);
select professional_id ,first_name, last_name, salary from professional p order by professional_id ;
```

0	professional_id	first_name	last_name	123 salary
1	1	TOMASA	ARMEN	80,000
2	2	ANNIE		89,207
3	3	OLIVE	ANCY	80,000
4	4	CHERRY	AQUILAR	45,550
5	5	LEON	ABOULAHOUD	43,161
	_			

Q.7 Create a procedure to calculate the total number of leaves used across all departments.

```
CREATE OR REPLACE PROCEDURE total_leaves_departments()

LANGUAGE SQL

AS $$

    create or replace view total_leaves as select sum(leaves_used) as total_leaves from professional;

$$;

call total_leaves_departments ();

select * from "Assignment04".total_leaves;
```

