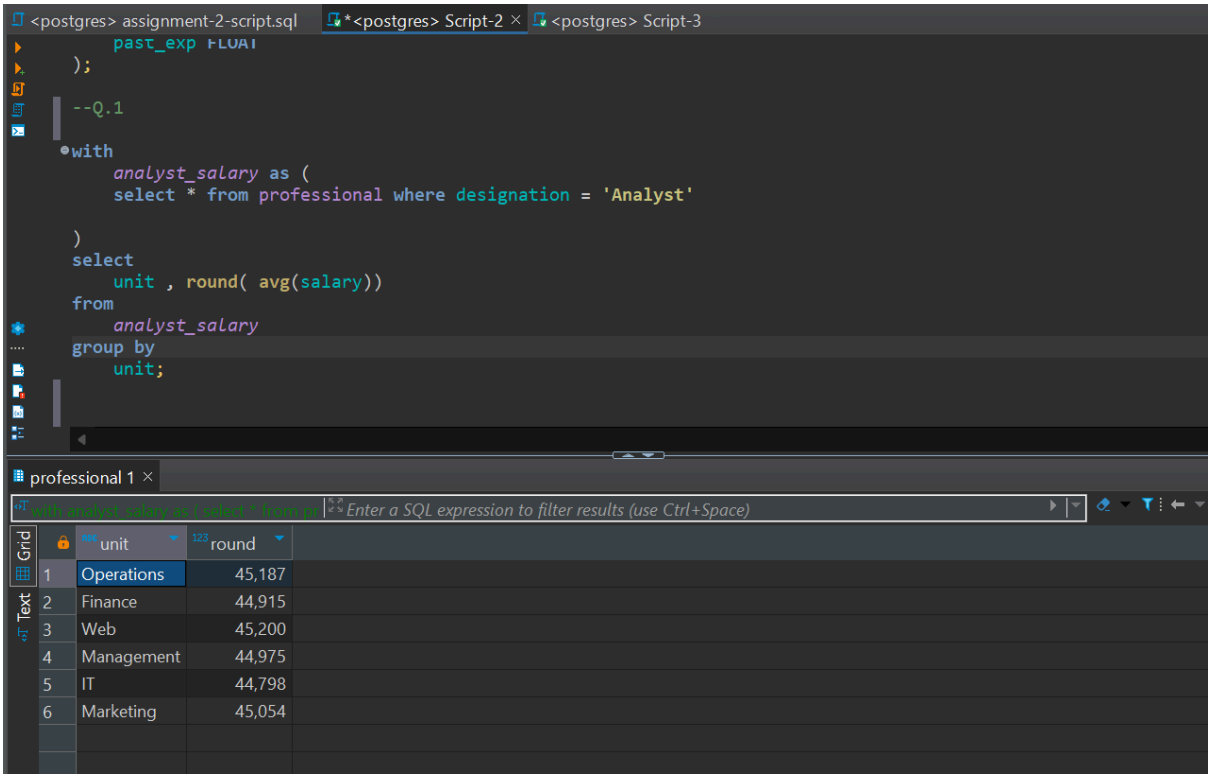
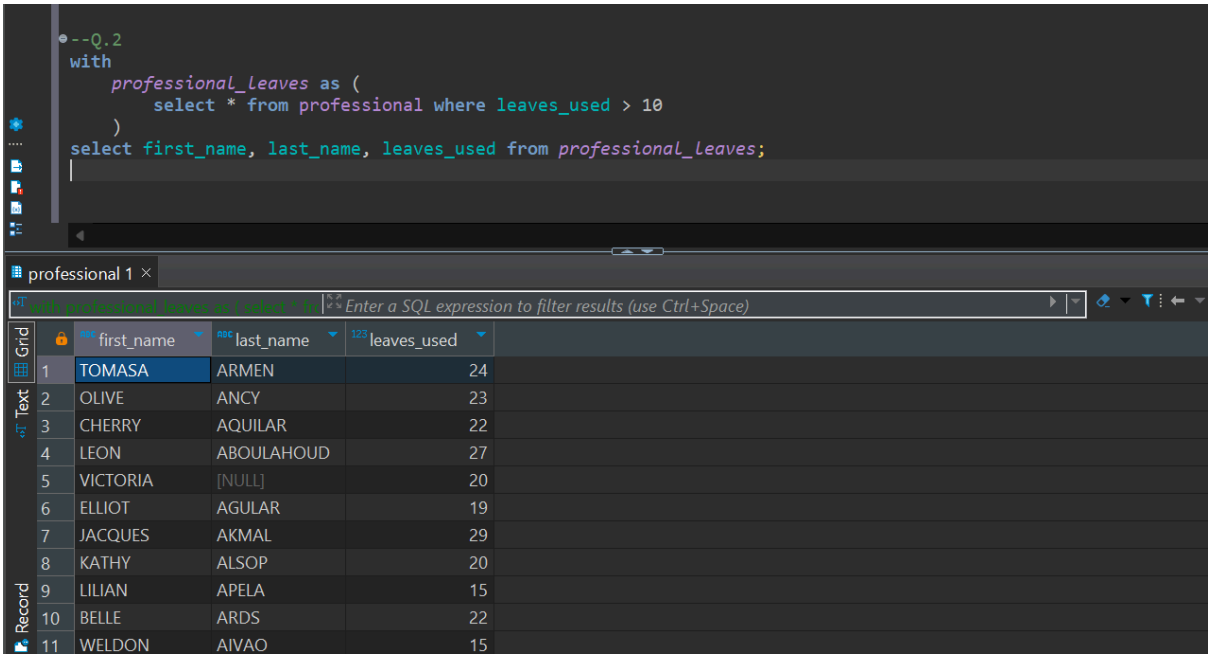
Q1.


<postgres> assignment-2-script.sql
*<postgres> Script-2
<postgres> Script-3
past_exp FLOAT
);
--Q.1
with
analyst_salary as (
select * from professional where designation = 'Analyst'
)
select
unit , round(avg(salary))
from
analyst_salary
group by
unit;
professional 1
Enter a SQL expression to filter results (use Ctrl+Space)
unit
round
1 Operations 45,187
2 Finance 44,915
3 Web 45,200
4 Management 44,975
5 IT 44,798
6 Marketing 45,054

Q2.


--Q.2
with
professional_leaves as (
select * from professional where leaves_used > 10
)
select first_name, last_name, leaves_used from professional_leaves;
professional 1
Enter a SQL expression to filter results (use Ctrl+Space)
first_name
last_name
leaves_used
1 TOMASA ARMEN 24
2 OLIVE ANCY 23
3 CHERRY AQUILAR 22
4 LEON ABOULAHOUD 27
5 VICTORIA [NULL] 20
6 ELLIOT AGULAR 19
7 JACQUES AKMAL 29
8 KATHY ALSOP 20
9 LILIAN APELA 15
10 BELLE ARDS 22
11 WELDON AIVAO 15

Q3.

```sql
--Views
--Q.3
create view Senior_analyst as
    select * from professional where designation = 'Senior Analyst';

SELECT *
FROM "Assignment4".senior_analyst;
```

senior_analyst 1

SELECT * FROM "Assignment4".senior_ Enter a SQL expression to filter results (use Ctrl+Space)

	professional_id	first_name	last_name	sex	doj	currentdate	designation	age	salary	
1	9	KATHY	ALSOP	F	2014-06-29	2016-01-07	Senior Analyst	28	63,478	Op
2	29	SEYMOUR	ALBEN	M	2014-12-21	2016-01-07	Senior Analyst	25	57,488	Op
3	33	FOSTER	ALDERMAN	M	2014-05-22	2016-01-07	Senior Analyst	26	68,295	Op
4	54	CARI	ARENALES	F	2014-04-10	2016-01-07	Senior Analyst	28	66,338	W
5	58	PAULINE	ALTSHULER	F	2014-12-13	2016-01-07	Senior Analyst	28	61,647	Fir
6	69	RILEY	AIKINS	M	2013-06-16	2016-01-07	Senior Analyst	25	60,712	Fir
7	73	MARYJANE	ARES	F	2012-08-24	2016-01-07	Senior Analyst	25	65,212	Ma
8	76	MARY	ALMESTICA	F	2013-10-12	2016-01-07	Senior Analyst	27	53,339	Fir
9	83	WILMER	AKIONA	M	2014-05-30	2016-01-07	Senior Analyst	25	50,739	IT

Q4.

```sql
--Q.4
create materialized view department_count as
    select unit, count(unit) from professional p group by unit ;

SELECT unit, count
FROM "Assignment4".department_count;
```

Statistics 1

Name	Value
Updated Rows	6
Query	create materialized view department_count as select unit, count(unit) from professional p group by unit
Start time	Fri Jul 05 11:26:47 NPT 2024
Finish time	Fri Jul 05 11:26:47 NPT 2024

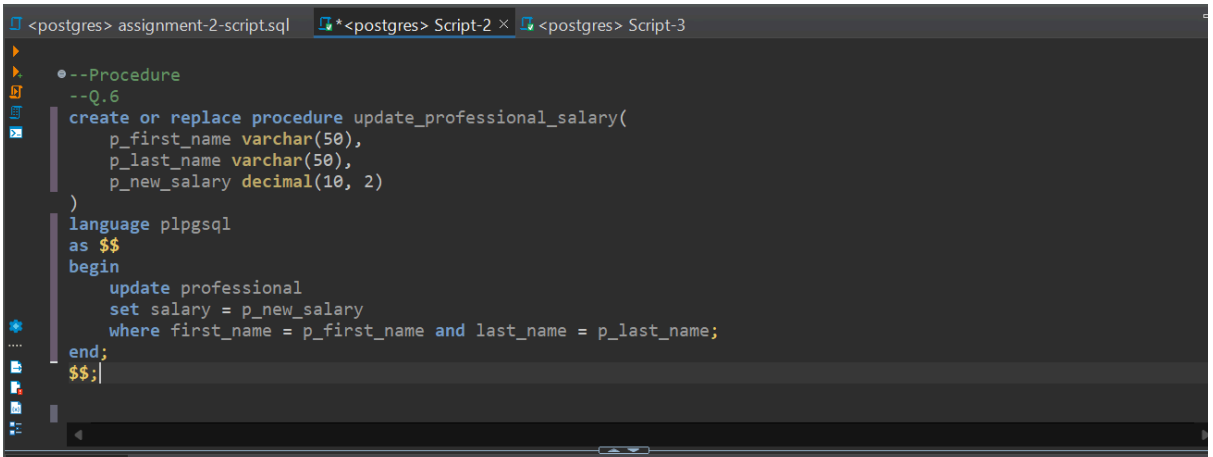
```sql
SELECT unit, count
FROM "Assignment4".department_count;
```

department_count 1

SELECT unit, count FROM "Assignment4". Enter a SQL expression to filter results (use Ctrl+Space)

	unit	count
1	Operations	438
2	Finance	446
3	Web	431
4	Management	425
5	IT	461
6	Marketing	438

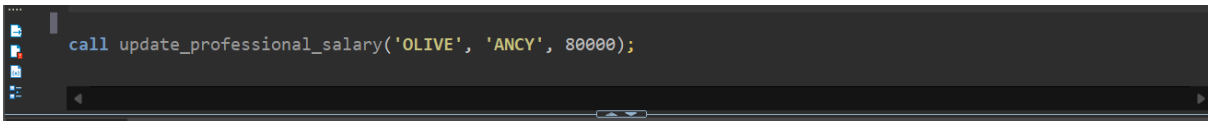
Q6.



Statistics 1

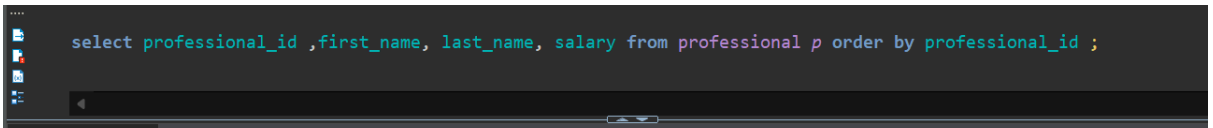
Name	Value
Updated Rows	0

Query	create or replace procedure update_professional_salary(
	p_first_name varchar(50),
	p_last_name varchar(50),
	p_new_salary decimal(10, 2)
	)
	language plpgsql
	as $$
	begin
	update professional
	set salary = p_new_salary
	where first_name = p_first_name and last_name = p_last_name;
	end;



Statistics 1

Name	Value
Updated Rows	0
Query	call update_professional_salary('OLIVE', 'ANCY', 80000)
Start time	Fri Jul 05 11:59:52 NPT 2024
Finish time	Fri Jul 05 11:59:52 NPT 2024



professional 1

Enter a SQL expression to filter results (use Ctrl+Space)

	professional_id	first_name	last_name	salary
1	1	TOMASA	ARMEN	44,570
2	2	ANNIE	[NULL]	89,207
3	3	OLIVE	ANCY	80,000
4	4	CHERRY	AQUILAR	45,550
5	5	LEON	ABOULAHOUD	43,161
6	6	VICTORIA	[NULL]	48,736
7	7	ELLIOT	AGULAR	40,339
8	8	JACQUES	AKMAL	40,058
9	9	KATHY	ALSOP	63,478
10	10	LILIAN	APELA	43,110

Q7.

```
--Q.7
create or replace procedure total_leaves_departments()
language plpgsql
as $$
begin
    execute 'create or replace view total_leaves as select sum(leaves_used) as total_leaves from professional';
end;
$$;
```

Statistics 1

Name	Value
Updated Rows	0

Query	create or replace procedure total_leaves_departments()
	language plpgsql
	as $$
	begin
	execute 'create or replace view total_leaves as select sum(leaves_used) as total_leaves from professional';
	end;
	$$

Start time	Fri Jul 05 12:00:50 NPT 2024
Finish time	Fri Jul 05 12:00:50 NPT 2024

```
call total_leaves_departments ();
```

Statistics 1

Name	Value
Updated Rows	0
Query	call total_leaves_departments ()
Start time	Fri Jul 05 12:01:05 NPT 2024
Finish time	Fri Jul 05 12:01:05 NPT 2024

```
select * from "Assignment4".total_leaves;
```

total_leaves 1

Enter a SQL expression to filter results (use Ctrl+Space)

Grid | Text

	total_leaves
1	59,314