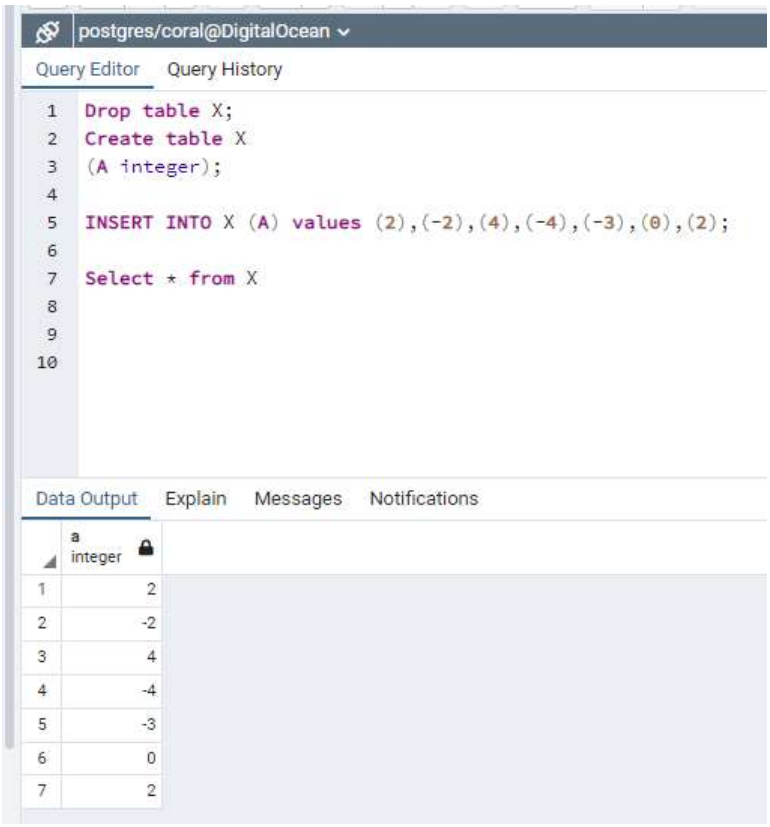
SQL - Results

Given the following table (X):

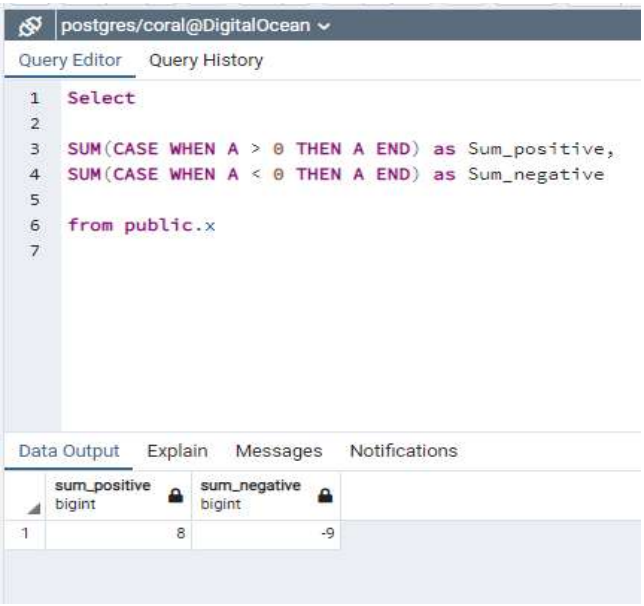
A
2
-2
4
-4
-3
0
2

1) Write a single query to calculate the sum of all positive values and save it as sum_positive of and the sum of all negative values of and save it as sum_negative.

Create a table



Single Query



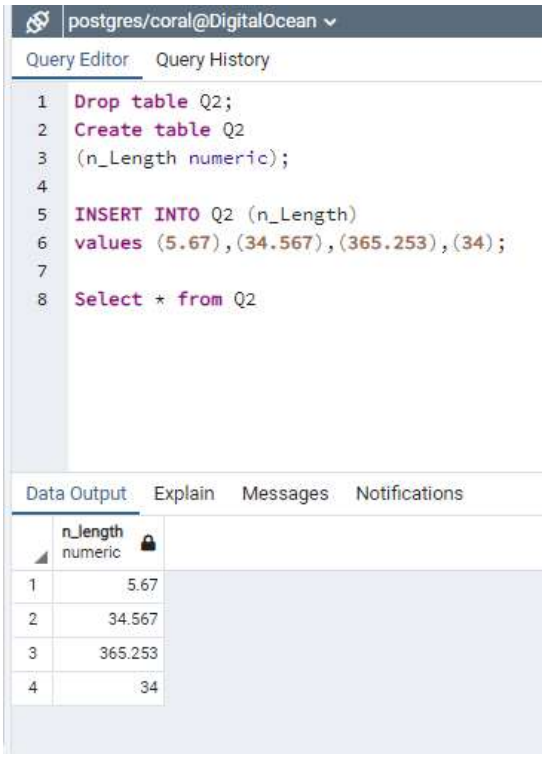
Given the table (X):

Length
5.67
34.567
365.253
34

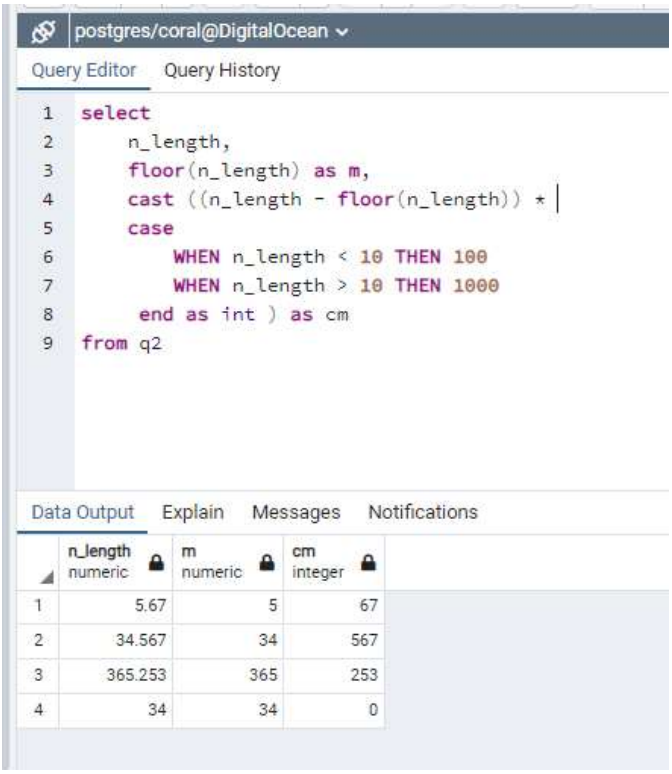
2) Write a query that produces the output:

Length	m	cm
5.67	5	67
34.567	34	567
365.253	365	253
34	34	0

Create a table



Query - floor - case when



Given the two tables (Employee, Reward):

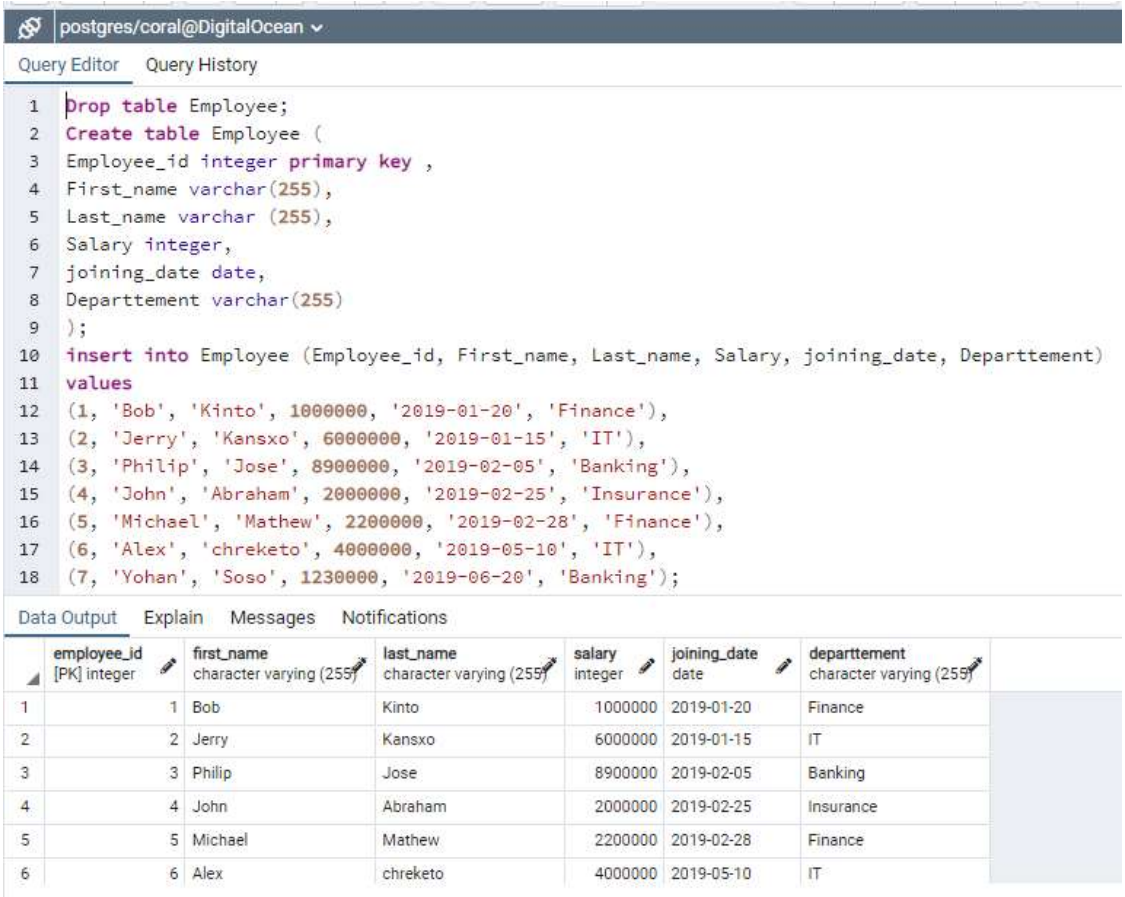
Employee:

Employee_id	First_name	Last_name	Salary	Joining_date	Departement
1	Bob	Kinto	1000000	2019-01-20	Finance
2	Jerry	Kansxo	6000000	2019-01-15	IT
3	Philip	Jose	8900000	2019-02-05	Banking
4	John	Abraham	2000000	2019-02-25	Insurance
5	Michael	Mathew	2200000	2019-02-28	Finance
6	Alex	chreketo	4000000	2019-05-10	IT
7	Yohan	Soso	1230000	2019-06-20	Banking

Reward:

Employee_ref_id	date_reward	amount
1	2019-05-11	1000
2	2019-02-15	5000
3	2019-04-22	2000
1	2019-06-20	8000

Create two tables



postgres/coral@DigitalOcean

Query Editor | Query History

```
1  Drop table Reward;
2  Create table Reward (
3  Employee_ref_id integer,
4  date_reward date,
5  amount integer);
6
7  insert into Reward (Employee_ref_id, date_reward, amount)
8  values
9  (1, '2019-05-11', 1000),
10 (2, '2019-02-15', 5000),
11 (3, '2019-04-22', 2000),
12 (1, '2019-06-20', 8000);
13
14 Select * from Reward;
```

Data Output | Explain | Messages | Notifications

	employee_ref_id integer	date_reward date	amount integer
1	1	2019-05-11	1000
2	2	2019-02-15	5000
3	3	2019-04-22	2000
4	1	2019-06-20	8000

3) Get 35% of Bob's salary, 50% of Alex's salary, and 25% of other employees' salaries.

postgres/coral@DigitalOcean

Query Editor | Query History

```
1  Select salary*0.35 from public.employee
2  where first_name = 'Bob';
3
4  -- Select salary*0.50 from public.employee
5  -- where first_name = 'Alex';
6
7  --Select First_name, salary*0.25 from public.employee
8  --where first_name not in ('Bob','Alex');
```

Bob 350000

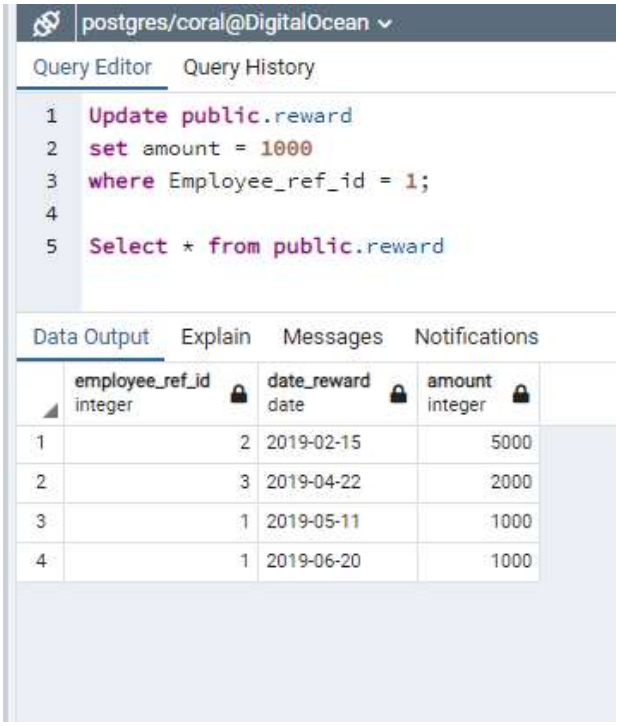
Alex 2000000

Data Output | Explain | Messages | Notifications

	first_name character varying (255)	?column? numeric
1	Jerry	1500000.00
2	Philip	2225000.00
3	John	500000.00
4	Michael	550000.00
5	Yohan	307500.00

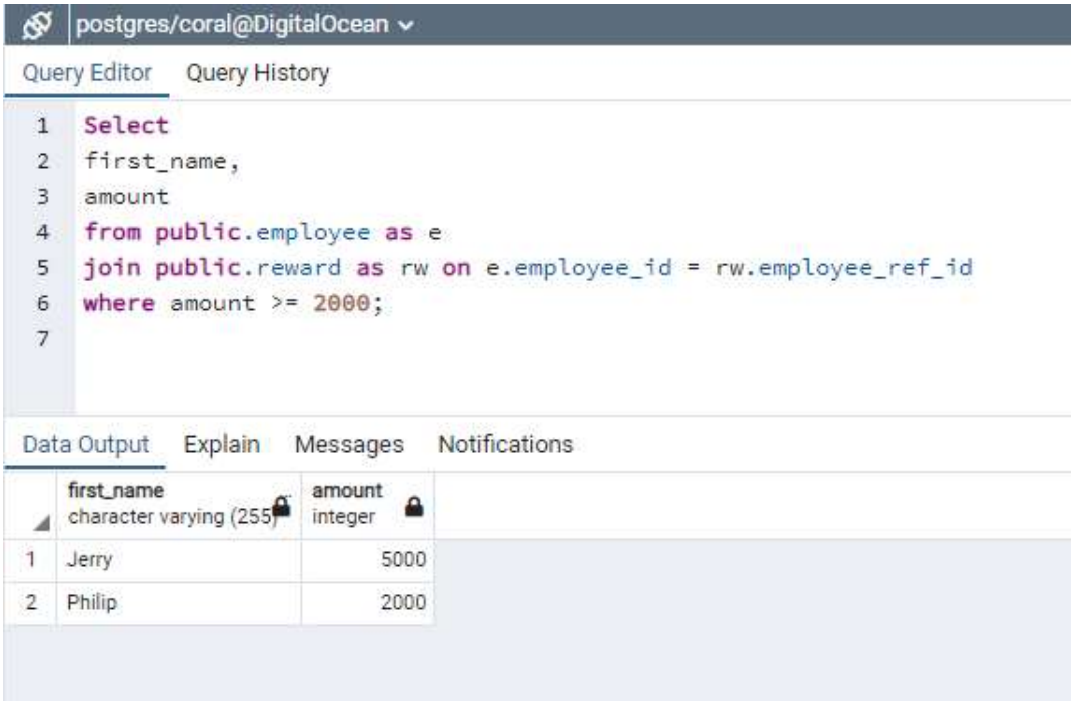
4) Update the reward of "Bob" to 1000.

Query - update - set



5) Get the first name, the reward amount for employees who have rewards with an amount greater than, equal to 2000.

Query - join - alias



6) **Get the first name, the reward amount for employees even if they did not receive any rewards, and set a reward amount equal to 0 for the employees who did not receive rewards.**

Query - case when - join

postgres/coral@DigitalOcean

Query Editor | Query History

```
1  Select
2  first_name,
3
4  case
5      when amount is null then 0
6      else amount
7  end
8  from public.employee as e
9  left outer join public.reward as rw on e.employee_id = rw.employee_ref_id;
```

Data Output | Explain | Messages | Notifications

	first_name character varying (255)	amount integer
1	Jerry	5000
2	Philip	2000
3	Bob	1000
4	Bob	1000
5	Michael	0
6	Alex	0
7	John	0
8	Yohan	0