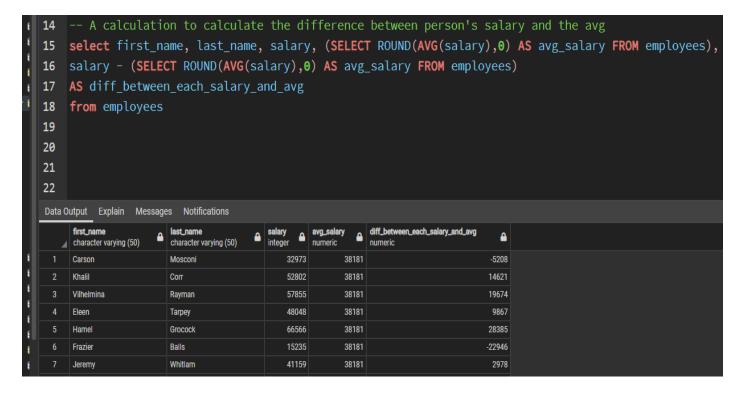
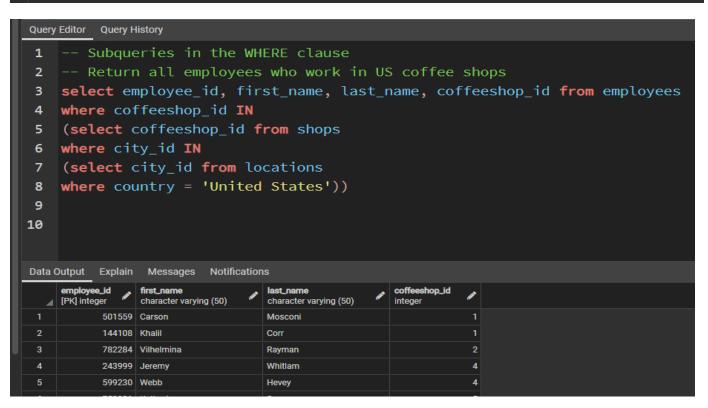
```
Query Editor Query History
         select * from employees
     1
    2
         -- Basic subqueries with subqueries in the FROM clause
         SELECT a.employee_id, a.first_name, a.last_name FROM
     3
         (select * from employees
    4
         where coffeeshop_id IN (3,4)) a
    Data Output Explain
                        Messages Notifications
         employee_id
[PK] integer
                       first_name
                                             last_name
clon
                       character varying (50)
                                             character varying (50)
_Avi
                225709 Eleen
                614903 Hamel
                                             Grocock
                590293 Frazier
                                             Balls
                243999 Jeremy
                                             Whitlam
                599230 Webb
                                             Hevey
                 75097 Wally
                                             Huebner
                755091 Clem
                                             Kitchingman
                510410
     9
                593979 Rockie
                                             Meriot
                125157 Bartolomeo
                                             Gossage
     11
                891720 Amye
                                             Dilger
                 54960 Eachelle
                                             Baniard
```

	6	Basic subqueries with subqueries in the SELECT clause				
vis vis_clon	7	<pre>select first_name, last_name, salary,</pre>				
lone_Avi	8	(SELECT MAX(salary) FROM employees)				
	9	from employees				
	Data Output Explain Messages Notifications					
	4	first_name character varying (50)	last_name character varying (50)	salary integer	max integer	
s	1	Carson	Mosconi	32973	67724	
	2	Khalil	Corr	52802	67724	
	3	Vilhelmina	Rayman	57855	67724	
	4	Eleen	Tarpey	48048	67724	
	5	Hamel	Grocock	66566	67724	
	6	Frazier	Balls	15235	67724	
	7	Jeremy	Whitlam	41159	67724	
	Ω	Wahh	Ηονον	//2/177	67724	

```
-- Basic subqueries with subqueries in the SELECT clause
     10
     11
           select first_name, last_name, salary,
           (SELECT ROUND(AVG(salary),0) AS avg_salary FROM employees)
     12
clon
13 ne_Avi
           from employees
     14
     Data Output
                 Explain Messages
                                    Notifications
                                                       salary
           first_name
                                                                 avg_salary
                                  last_name
           character varying (50)
                                  character varying (50)
                                                                  numeric
                                                        integer
                                 Mosconi
                                                            32973
                                                                         38181
       2
                                                            52802
                                                                         38181
           Khalil
                                  Corr
       3
           Vilhelmina
                                 Rayman
                                                            57855
                                                                         38181
                                                                         38181
       4
           Eleen
                                  Tarpey
                                                            48048
                                                            66566
                                                                         38181
           Hamel
                                 Grocock
                                                                         38181
       6
           Frazier
                                 Balls
                                                            15235
                                                            41159
           Jeremy
                                 Whitlam
                                                                         38181
           Wahh
                                 Цолол
                                                            19177
                                                                         22121
```



```
Query Editor Query History
    -- Subqueries in the WHERE clause
 2
    -- Return all US coffeeshops
 3
    select * from shops
 4
    WHERE city id IN
 5
    (select city_id from locations where country = 'United States')
   -- I could have also joined the shops and locations tables without using subquery
   select s.coffeeshop_name, l.country from shops s
 8
    inner join locations l
 9
    on l.city_id = s.city_id
10
11
   where l.country = 'United States'
12
Data Output Explain Messages Notifications
            coffeeshop_name
   coffeeshop_id
                                city_id
  [PK] integer
              character varying (50)
             1 Common Grounds
             2 Early Rise
             4 Urban Grind
             5 Trembling Cup
```



```
-- Return all employees who make over 35K and work in US coffee shops
    select employee_id, first_name, last_name, salary, coffeeshop_id from employees
10
11 where salary > 35000 and coffeeshop id IN
    (select coffeeshop_id from shops
12
13 where city_id IN
14
    (select city_id from locations
    where country = 'United States'))
15
    order by salary DESC
16
17
Data Output Explain Messages Notifications
                                 last_name
    [PK] integer character varying (50)
                                 character varying (50)
          830873 Forrester
                                                       67724
                                 Roze
          356659 Dillon
                                                       67599
                                 Bourges
                                                                       4
          297631 Nolan
                                 Coye
                                                       67548
          249536 Austine
                                 Benge
                                                       67539
          563265 Raynard
                                  Westmorland
                                                       67494
```

