

Query Editor

Query History

```

1  select * from employees
2  -- Basic subqueries with subqueries in the FROM clause
3  SELECT a.employee_id, a.first_name, a.last_name FROM
4  (select * from employees
5  where coffeeshop_id IN (3,4)) a

```

Data Output

Explain

Messages

Notifications

	employee_id [PK] integer	first_name character varying (50)	last_name character varying (50)
1	225709	Eleen	Tarpey
2	614903	Hamel	Grocock
3	590293	Frazier	Balls
4	243999	Jeremy	Whitlam
5	599230	Webb	Hevey
6	75097	Wally	Huebner
7	755091	Clem	Kitchingman
8	510410	Tarra	Rolin
9	593979	Rockie	Meriot
10	125157	Bartolomeo	Gossage
11	891720	Amye	Dilger
12	54960	Eachelle	Baniard

6	<b>-- Basic subqueries with subqueries in the SELECT clause</b>			
7	<b>select first_name, last_name, salary,</b>			
8	<b>(SELECT MAX(salary) FROM employees)</b>			
9	<b>from employees</b>			
Data Output		Explain	Messages	Notifications
	first_name character varying (50)	last_name character varying (50)	salary integer	max integer
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
8	Wally	Huebner	48477	67724



Query Editor   Query History

```

1  -- 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')
6
7  -- I could have also joined the shops and locations tables without using subquery
8  select s.coffeeshop_name, l.country from shops s
9  inner join locations l
10 on l.city_id = s.city_id
11 where l.country = 'United States'
12

```

Data Output   Explain   Messages   Notifications

	coffeeshop_id [PK] integer	coffeeshop_name character varying (50)	city_id integer
1	1	Common Grounds	1
2	2	Early Rise	2
3	4	Urban Grind	1
4	5	Trembling Cup	2

Query Editor   Query History

```

1  -- Subqueries in the WHERE clause
2  -- Return all employees who work in US coffee shops
3  select employee_id, first_name, last_name, coffeeshop_id from employees
4  where coffeeshop_id IN
5  (select coffeeshop_id from shops
6  where city_id IN
7  (select city_id from locations
8  where country = 'United States'))
9
10

```

Data Output   Explain   Messages   Notifications

	employee_id [PK] integer	first_name character varying (50)	last_name character varying (50)	coffeeshop_id integer
1	501559	Carson	Mosconi	1
2	144108	Khalil	Corr	1
3	782284	Vilhelmina	Rayman	2
4	243999	Jeremy	Whitlam	4
5	599230	Webb	Hevey	4

```

9  -- Return all employees who make over 35K and work in US coffee shops
10 select employee_id, first_name, last_name, salary, coffeeshop_id from employees
11 where salary > 35000 and coffeeshop_id IN
12 (select coffeeshop_id from shops
13 where city_id IN
14 (select city_id from locations
15 where country = 'United States'))
16 order by salary DESC
17

```

Data Output Explain Messages Notifications

	employee_id [PK] integer	first_name character varying (50)	last_name character varying (50)	salary integer	coffeeshop_id integer
1	830873	Forrester	Roze	67724	5
2	356659	Dillon	Bourges	67599	4
3	297631	Nolan	Coye	67548	1
4	249536	Austine	Benge	67539	4
5	563265	Raynard	Westmorland	67494	1

```

17 -- 30 day moving total pay (subquery in the SELECT clause)
18 SELECT hire_date, salary,
19 (SELECT SUM(salary) from employees e2
20 WHERE e2.hire_date BETWEEN e1.hire_date - 30 AND e1.hire_date) AS pay_pattern
21 FROM employees e1
22 ORDER BY hire_date

```

Data Output Explain Messages Notifications

	hire_date date	salary integer	pay_pattern bigint
1	2010-01-01	17691	17691
2	2010-01-11	32408	50099
3	2010-01-13	65993	116092
4	2010-01-23	21508	150505
5	2010-01-23	12905	150505
6	2010-02-05	20070	171006