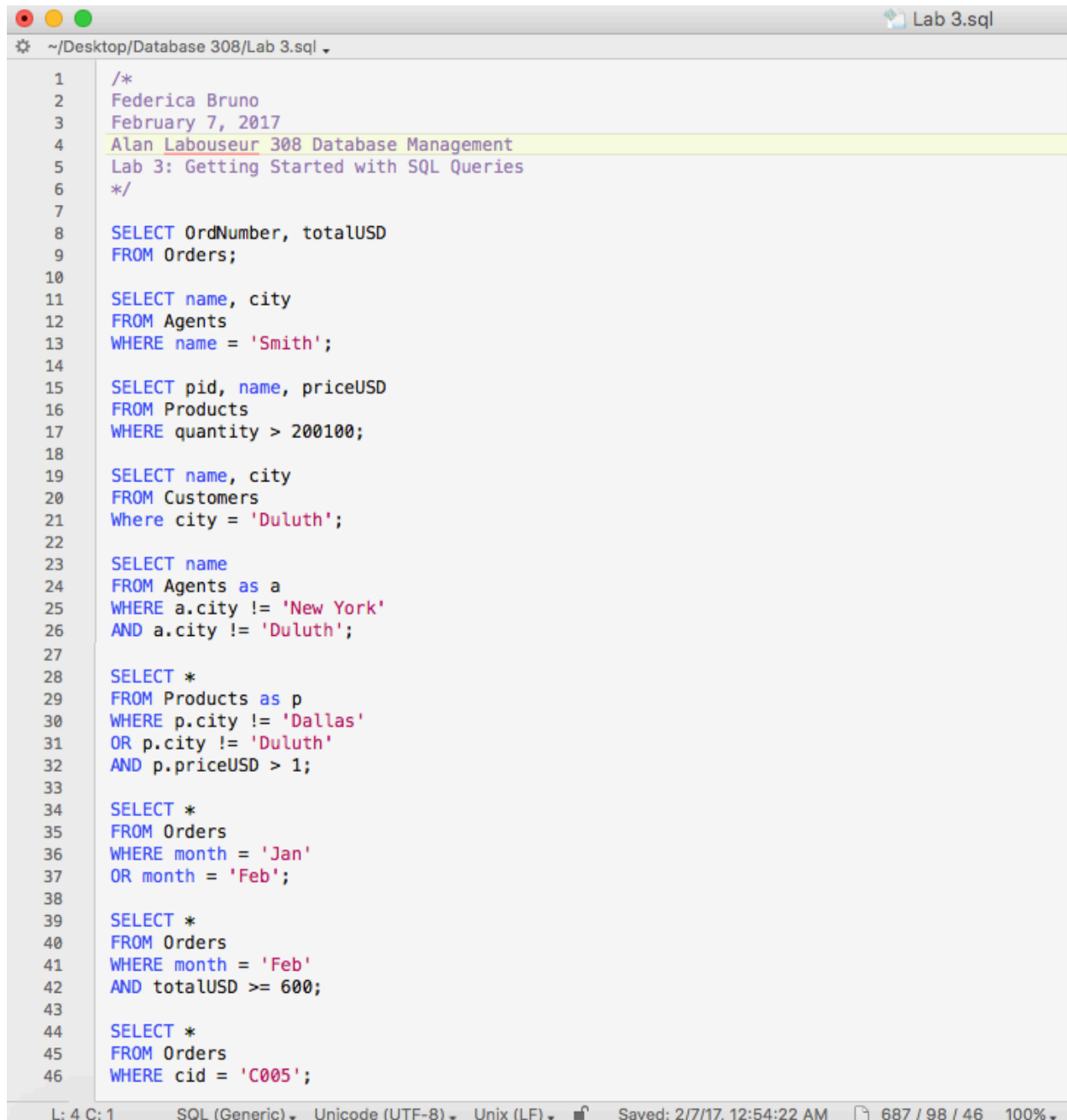Federica Bruno
Alan Labouseur
Database Management 308
Due Date: February 7, 2017

<u>Lab 3: Getting Started with SQL Queries</u>

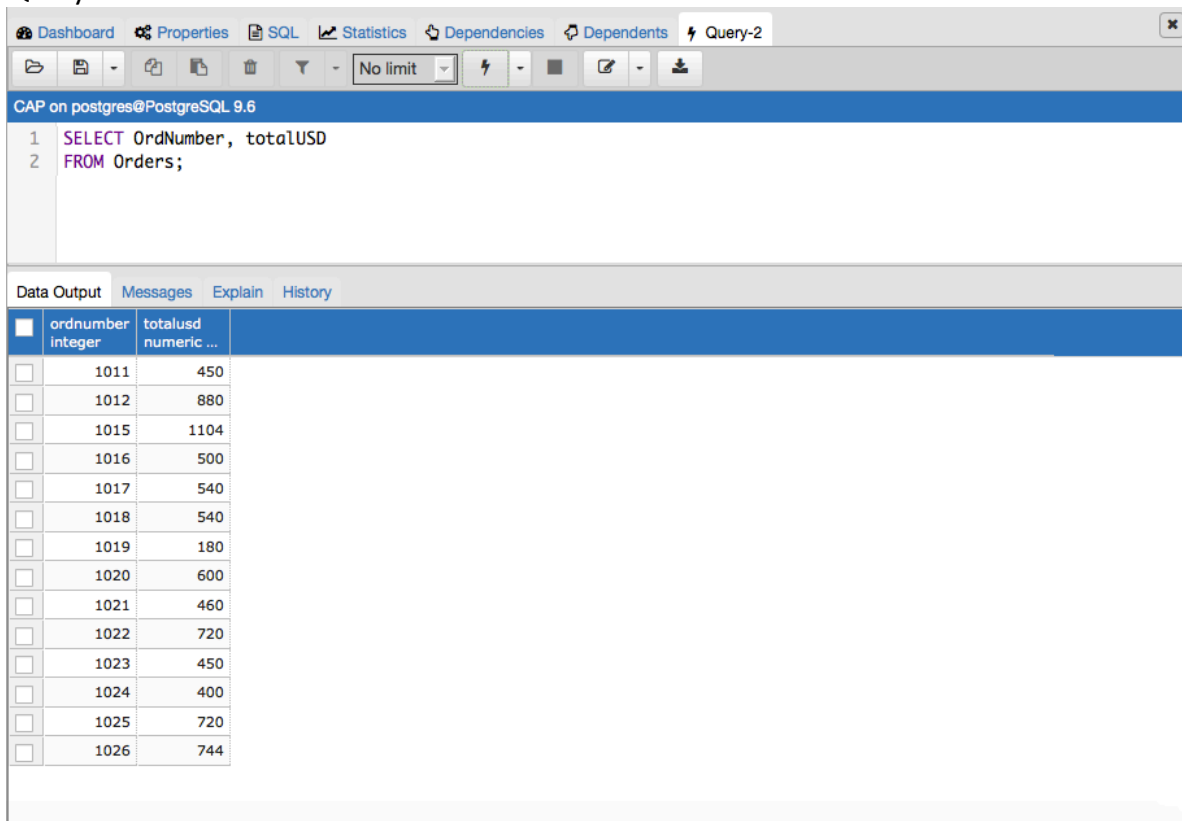**Screenshot of .sql extension file containing queries tested in pgAdmin**

```
 1    /*
 2    Federica Bruno
 3    February 7, 2017
 4    Alan Labouseur 308 Database Management
 5    Lab 3: Getting Started with SQL Queries
 6    */
 7
 8    SELECT OrdNumber, totalUSD
 9    FROM Orders;
10
11    SELECT name, city
12    FROM Agents
13    WHERE name = 'Smith';
14
15    SELECT pid, name, priceUSD
16    FROM Products
17    WHERE quantity > 200100;
18
19    SELECT name, city
20    FROM Customers
21    Where city = 'Duluth';
22
23    SELECT name
24    FROM Agents as a
25    WHERE a.city != 'New York'
26    AND a.city != 'Duluth';
27
28    SELECT *
29    FROM Products as p
30    WHERE p.city != 'Dallas'
31    OR p.city != 'Duluth'
32    AND p.priceUSD > 1;
33
34    SELECT *
35    FROM Orders
36    WHERE month = 'Jan'
37    OR month = 'Feb';
38
39    SELECT *
40    FROM Orders
41    WHERE month = 'Feb'
42    AND totalUSD >= 600;
43
44    SELECT *
45    FROM Orders
46    WHERE cid = 'C005';
```

L: 4 C: 1   SQL (Generic) ▾   Unicode (UTF-8) ▾   Unix (LF) ▾ 🔓   Saved: 2/7/17, 12:54:22 AM   🗋 687 / 98 / 46   100% ▾

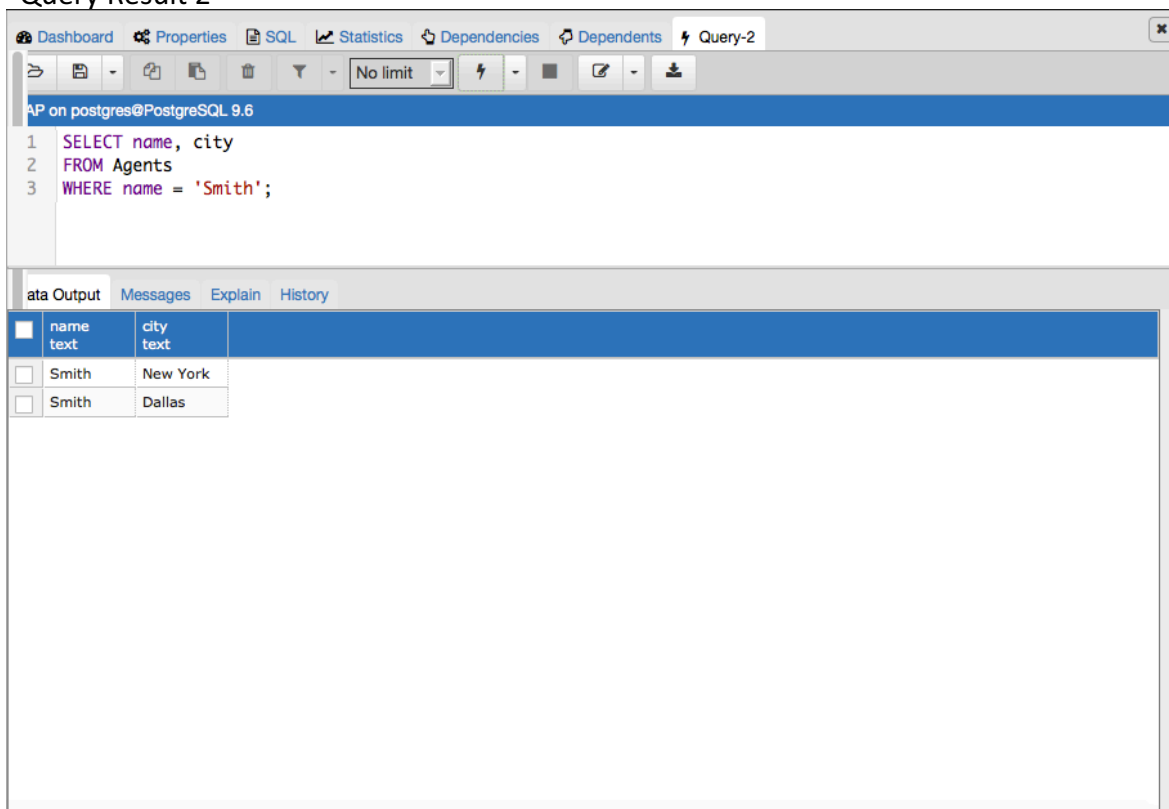## Screenshot of results in pgAdmin

Query Result 1

CAP on postgres@PostgreSQL 9.6

```
1  SELECT OrdNumber, totalUSD
2  FROM Orders;
```

Data Output   Messages   Explain   History

ordnumber integer	totalusd numeric ...
1011	450
1012	880
1015	1104
1016	500
1017	540
1018	540
1019	180
1020	600
1021	460
1022	720
1023	450
1024	400
1025	720
1026	744

Query Result 2
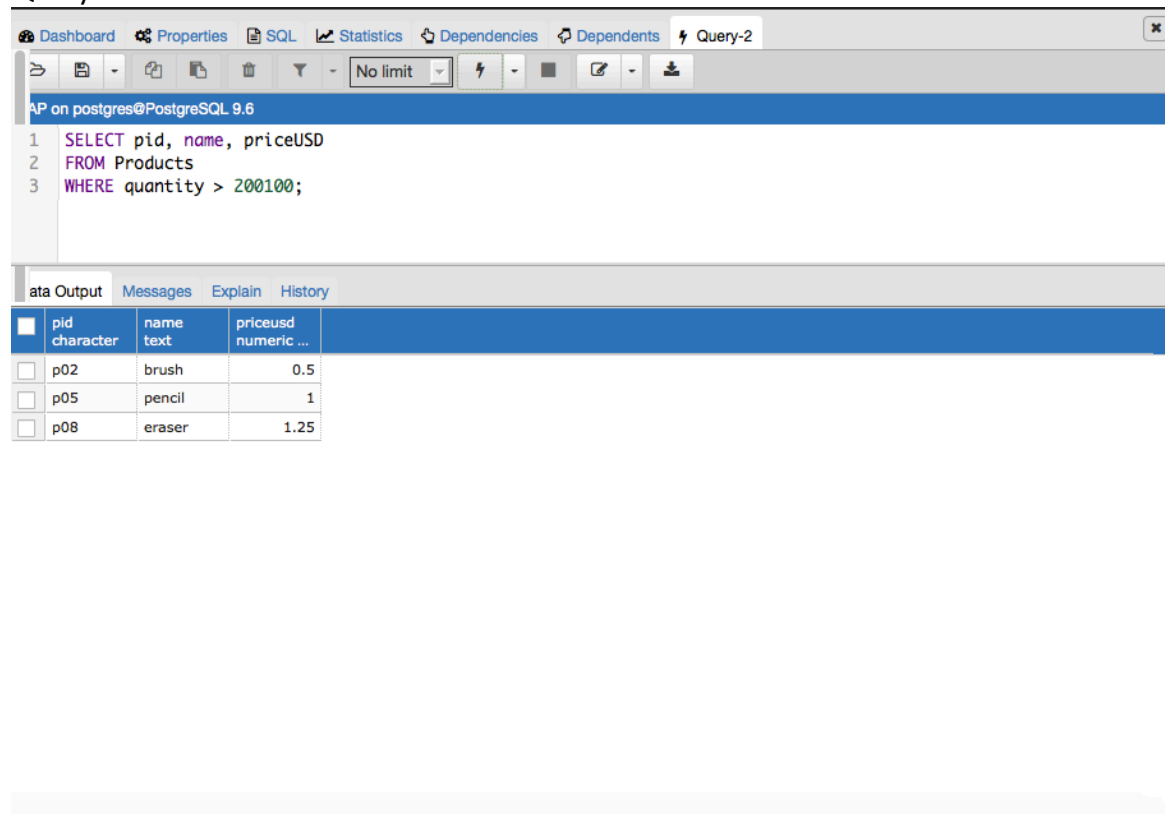
AP on postgres@PostgreSQL 9.6

```
1  SELECT name, city
2  FROM Agents
3  WHERE name = 'Smith';
```

Data Output   Messages   Explain   History

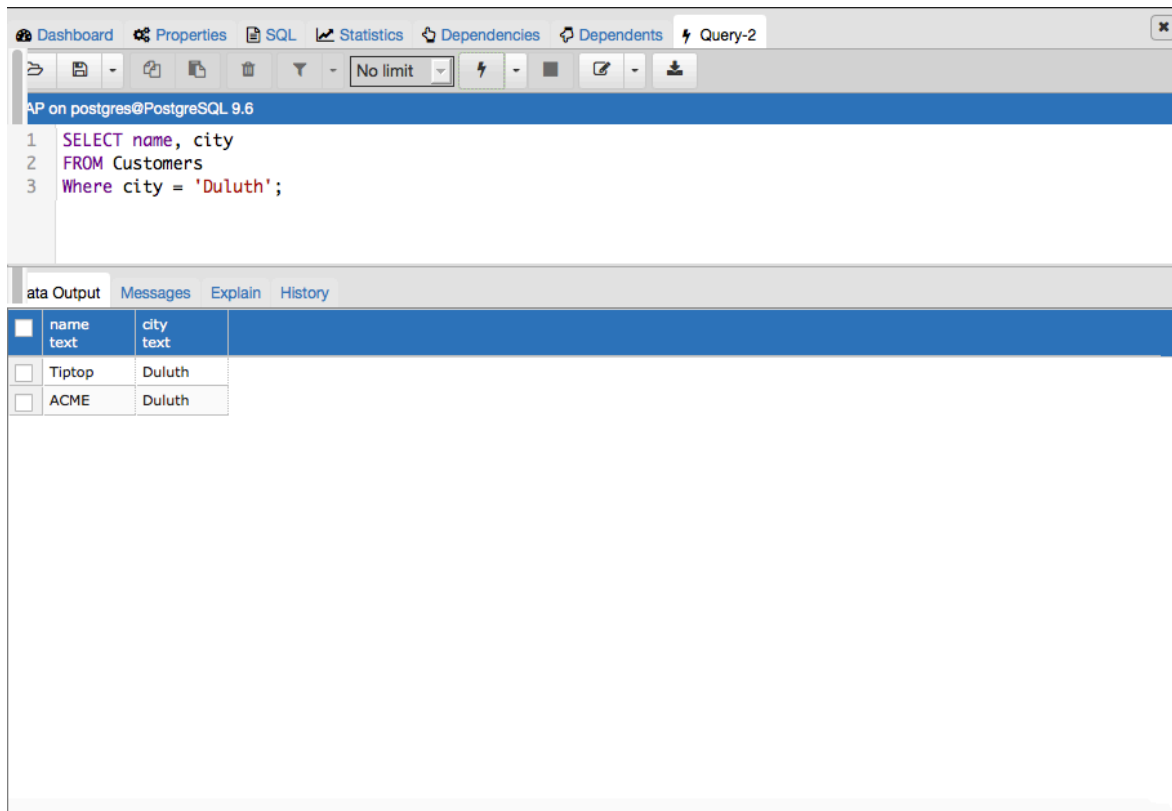| name text	city text
Smith	New York
Smith	Dallas

Query Result 3

AP on postgres@PostgreSQL 9.6

```
1  SELECT pid, name, priceUSD
2  FROM Products
3  WHERE quantity > 200100;
```

ata Output | Messages | Explain | History

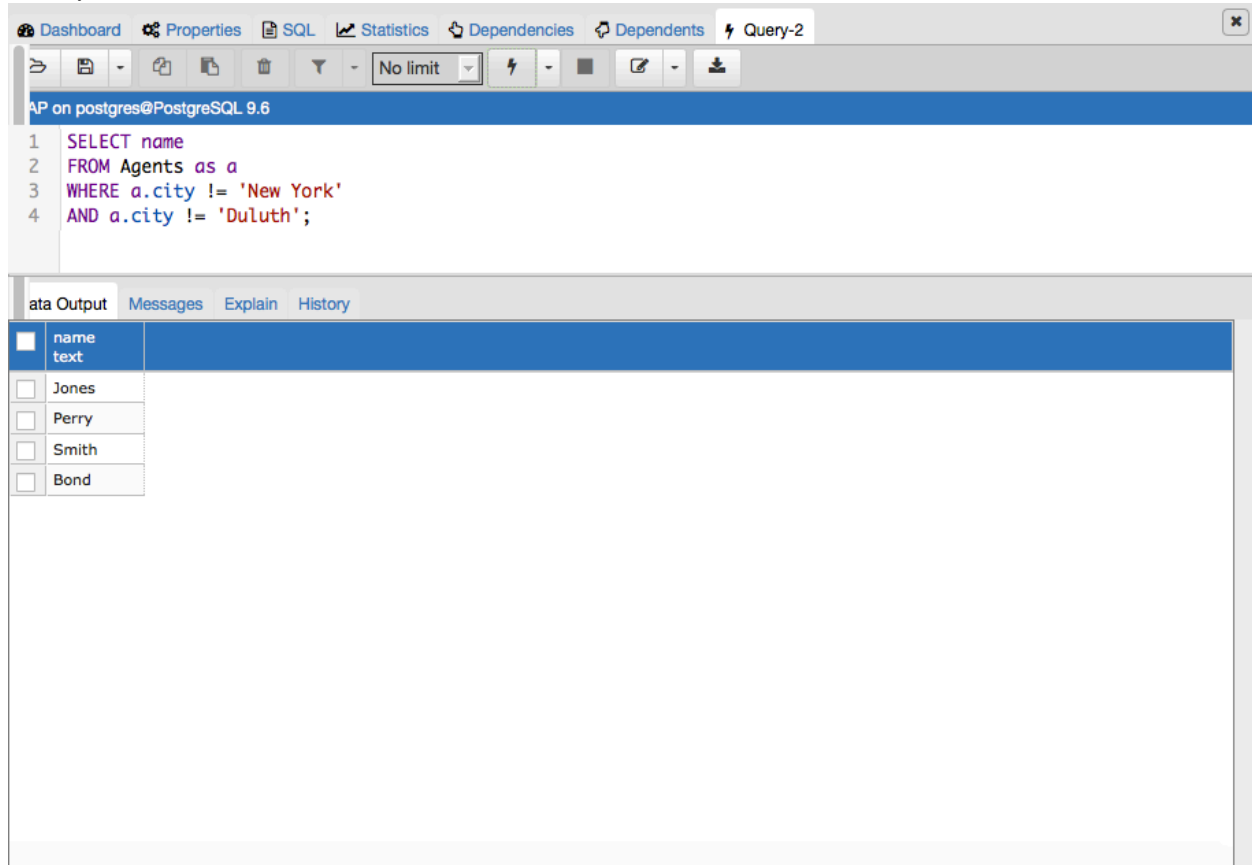| pid character	name text	priceusd numeric ...
p02	brush	0.5
p05	pencil	1
p08	eraser	1.25

Query Result 4

AP on postgres@PostgreSQL 9.6

```
1  SELECT name, city
2  FROM Customers
3  Where city = 'Duluth';
```

ata Output | Messages | Explain | History

name text	city text
Tiptop	Duluth
ACME	Duluth

Query Result 5
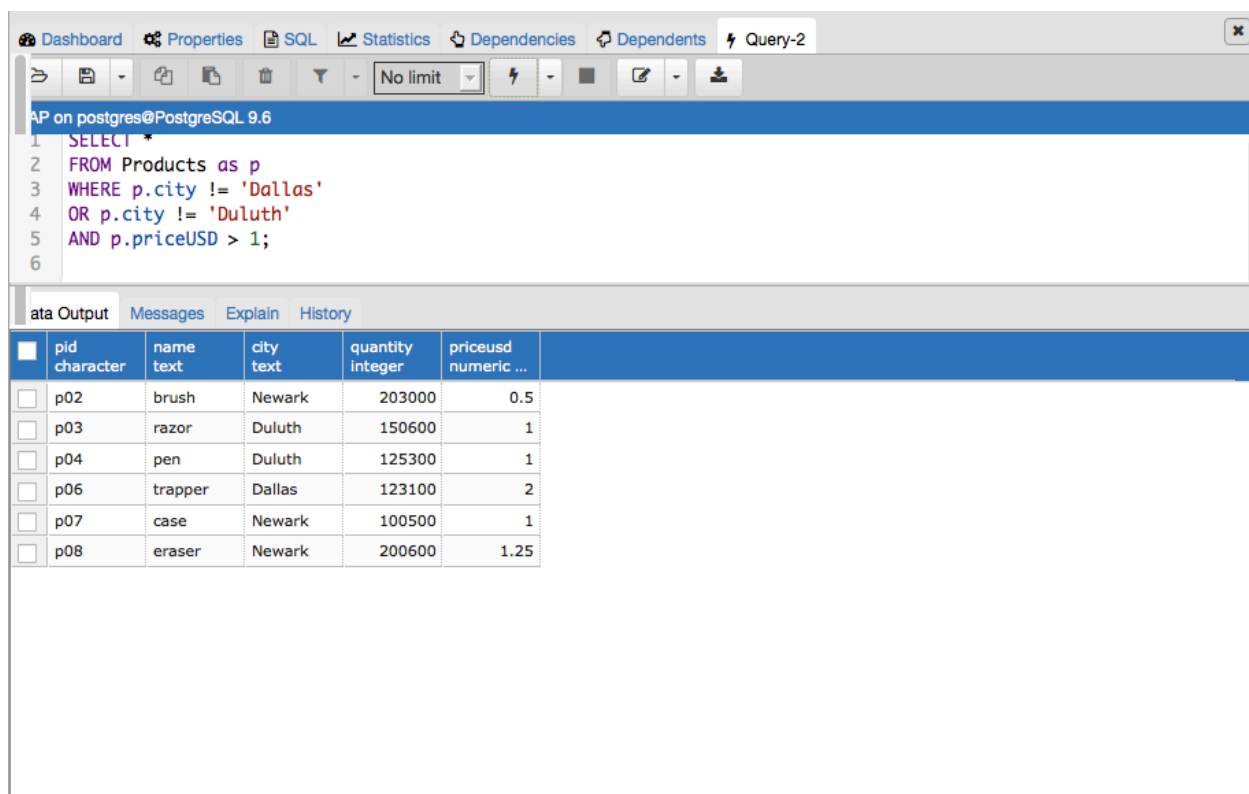
AP on postgres@PostgreSQL 9.6

```
1   SELECT name
2   FROM Agents as a
3   WHERE a.city != 'New York'
4   AND a.city != 'Duluth';
```

Data Output | Messages | Explain | History

name text
Jones
Perry
Smith
Bond

Query Result 6

AP on postgres@PostgreSQL 9.6

```
1   SELECT *
2   FROM Products as p
3   WHERE p.city != 'Dallas'
4   OR p.city != 'Duluth'
5   AND p.priceUSD > 1;
6
```

Data Output | Messages | Explain | History

pid character	name text	city text	quantity integer	priceusd numeric ...
p02	brush	Newark	203000	0.5
p03	razor	Duluth	150600	1
p04	pen	Duluth	125300	1
p06	trapper	Dallas	123100	2
p07	case	Newark	100500	1
p08	eraser	Newark	200600	1.25

Query Result 7

```
1  SELECT *
2  FROM Orders
3  WHERE month = 'Jan'
4  OR month = 'Feb';
```

ata Output　Messages　Explain　History

ordnumber integer	month character	cid character	aid character	pid character	qty integer	totalusd numeric ...
1011	Jan	c001	a01	p01	1000	450
1012	Jan	c002	a03	p03	1000	880
1015	Jan	c003	a03	p05	1200	1104
1016	Jan	c006	a01	p01	1000	500
1017	Feb	c001	a06	p03	600	540
1018	Feb	c001	a03	p04	600	540
1019	Feb	c001	a02	p02	400	180
1020	Feb	c006	a03	p07	600	600
1021	Feb	c004	a06	p01	1000	460

Query Result 8

```
1  SELECT *
2  FROM Orders
3  WHERE month = 'Feb'
4  AND totalUSD >= 600;
```

ata Output　Messages　Explain　History

ordnumber integer	month character	cid character	aid character	pid character	qty integer	totalusd numeric ...
1020	Feb	c006	a03	p07	600	600

Query Result 9

No limit

AP on postgres@PostgreSQL 9.6

```
1  SELECT *
2  FROM Orders
3  WHERE cid = 'C005';
```

ata Output   Messages   Explain   History

ordnumber integer	month character	cid character	aid character	pid character	qty integer	totalusd numeric ...	