

pgAdmin 4

FileObjectToolsHelp

Object Explorer

operators

Procedures

1..3 Sequences

Tables (1)

sales_data

Columns (8)

invoicenc

stockcod

descripti

quantity

invoiceda

unitprice

customerid

country

Constraints

Indexes

RLS Policie

Rules

Triggers

Trigger Function

Types

Views

Subscriptions

IPL

Match_test

Supermart_DB

Casts

DashboardPropertiesSQLStatisticsDependenciesDependentsE-commerc...task3.sql*

E-commerce /postgres@PostgreSQL 16

No limit

Data OutputMessagesGraph VisualiserNotifications

| | invoiceno | stockcode | description | quantity | invoicedate | unitprice | customerid |
|----|------------------------|------------------------|-------------------------------------|----------|-----------------------------|----------------|------------|
| | character varying (20) | character varying (15) | text | integer | timestamp without time zone | numeric (10,2) | integer |
| 1 | 550500 | 90158 | ST TROPEZ NECKLACE | 1 | 2011-04-18 15:26:00 | 4.98 | [nu |
| 2 | C552335 | 22626 | BLACK KITCHEN SCALES | -2 | 2011-05-09 11:25:00 | 8.50 | 1266 |
| 3 | 554526 | 20728 | LUNCH BAG CARS BLUE | 3 | 2011-05-24 17:24:00 | 1.65 | [nu |
| 4 | 554526 | 23206 | LUNCH BAG APPLE DESIGN | 2 | 2011-05-24 17:24:00 | 1.65 | [nu |
| 5 | 555106 | 22984 | CARD GINGHAM ROSE | 12 | 2011-05-31 14:14:00 | 0.42 | 1279 |
| 6 | 556812 | 21172 | PARTY METAL SIGN | 1 | 2011-06-14 17:25:00 | 4.13 | [nu |
| 7 | 536365 | 85123A | WHITE HANGING HEART T-LIGHT HOLDER | 6 | 2010-12-01 08:26:00 | 2.55 | 1785 |
| 8 | 536365 | 71053 | WHITE METAL LANTERN | 6 | 2010-12-01 08:26:00 | 3.39 | 1785 |
| 9 | 536365 | 84406B | CREAM CUPID HEARTS COAT HANGER | 8 | 2010-12-01 08:26:00 | 2.75 | 1785 |
| 10 | 536365 | 84029G | KNITTED UNION FLAG HOT WATER BOTTLE | 6 | 2010-12-01 08:26:00 | 3.39 | 1785 |
| 11 | 536365 | 84029E | RED WOOLLY HOTTIE WHITE HEART. | 6 | 2010-12-01 08:26:00 | 3.39 | 1785 |
| 12 | 536365 | 22752 | SET 7 BABUSHKA NESTING BOXES | 2 | 2010-12-01 08:26:00 | 7.65 | 1785 |
| 13 | 536365 | 21730 | GLASS STAR FROSTED T-LIGHT HOLDER | 6 | 2010-12-01 08:26:00 | 4.25 | 1785 |
| 14 | 536366 | 22633 | HAND WARMER UNION JACK | 6 | 2010-12-01 08:28:00 | 1.85 | 1785 |
| 15 | 536366 | 22632 | HAND WARMER RED POLKA DOT | 6 | 2010-12-01 08:28:00 | 1.85 | 1785 |
| 16 | 536367 | 84879 | ASSORTED COLOUR BIRD ORNAMENT | 32 | 2010-12-01 08:34:00 | 1.69 | 1304 |
| 17 | 536367 | 22745 | POPPY'S PLAYHOUSE BEDROOM | 6 | 2010-12-01 08:34:00 | 2.10 | 1304 |
| 18 | 536367 | 22748 | POPPY'S PLAYHOUSE KITCHEN | 6 | 2010-12-01 08:34:00 | 2.10 | 1304 |
| 19 | 536367 | 22749 | FELTCRAFT PRINCESS CHARLOTTE DOLL | 8 | 2010-12-01 08:34:00 | 3.75 | 1304 |

35 FROM sales_data;

Data Output

Messages

Graph Visualiser ×

Notifications



highest_sale
numeric



lowest_sale
numeric



1

168469.60

-168469.60

Peak time of purchasing Output

49

on:

Data Output

Messages

Graph Visualiser

×

Notifications

peak_hour

text

transaction_count

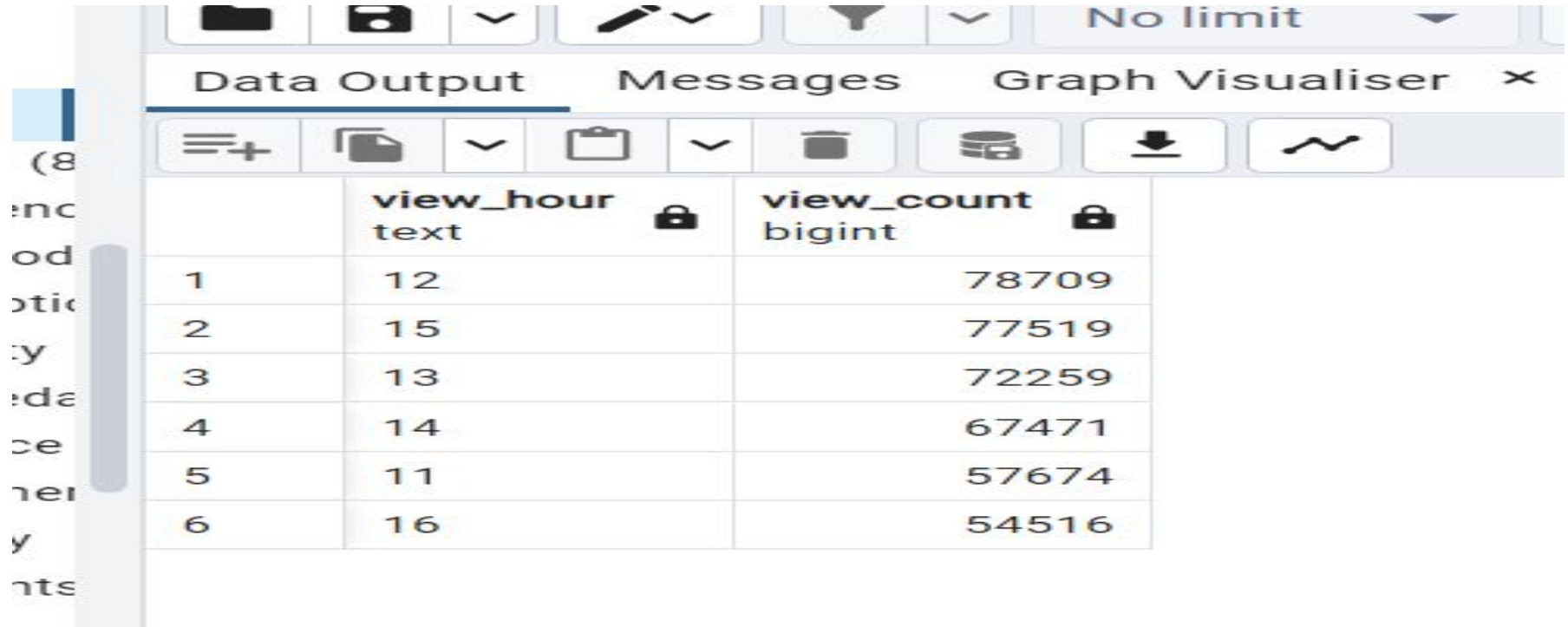
bigint

1

12

78709

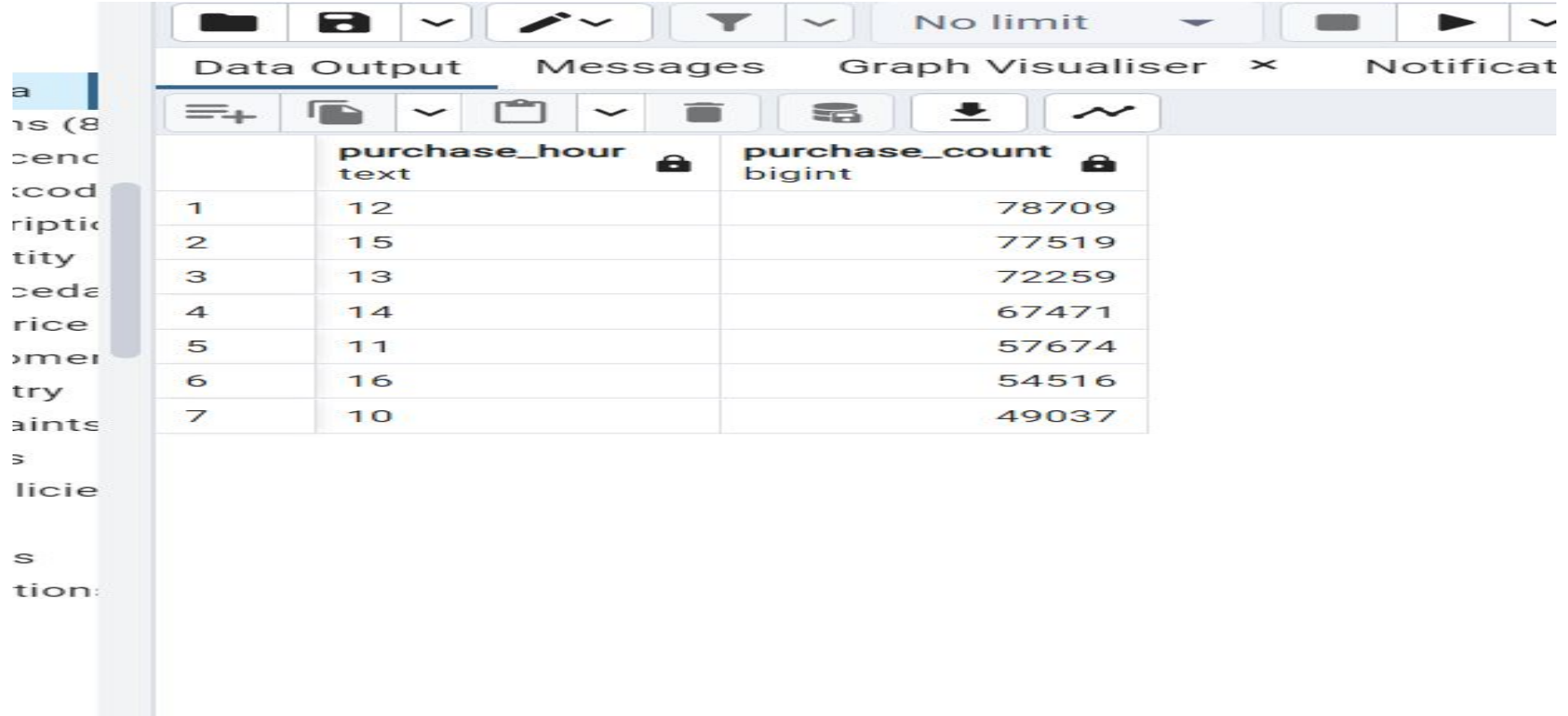
Top 6 hours by views



The screenshot shows a software interface with a top toolbar containing icons for file operations, editing, and filtering, along with a 'No limit' dropdown. Below the toolbar are three tabs: 'Data Output' (selected), 'Messages', and 'Graph Visualiser'. A secondary toolbar below the tabs contains icons for table manipulation (add, delete, copy, paste, undo, redo) and a download icon. The main area displays a table with two columns: 'view_hour' (text) and 'view_count' (bigint). The table lists the top 6 hours by views.

| | view_hour text | view_count bigint |
|---|-------------------|----------------------|
| 1 | 12 | 78709 |
| 2 | 15 | 77519 |
| 3 | 13 | 72259 |
| 4 | 14 | 67471 |
| 5 | 11 | 57674 |
| 6 | 16 | 54516 |

Top 7 hours by purchase



The screenshot shows a data visualization interface with a table titled "Top 7 hours by purchase". The table has three columns: an index (1-7), "purchase_hour" (text), and "purchase_count" (bigint). The interface includes a top toolbar with icons for file operations, a filter icon, and a "No limit" dropdown. Below the toolbar are tabs for "Data Output", "Messages", "Graph Visualiser", and "Notifications". A secondary toolbar below the tabs contains icons for adding, saving, deleting, and other actions. The table data is as follows:

| | purchase_hour text | purchase_count bigint |
|---|------------------------------|---------------------------------|
| 1 | 12 | 78709 |
| 2 | 15 | 77519 |
| 3 | 13 | 72259 |
| 4 | 14 | 67471 |
| 5 | 11 | 57674 |
| 6 | 16 | 54516 |
| 7 | 10 | 49037 |

Top 10 brand category sold

| Data Output | | | | Messages | | Graph Visualiser | | Notifications | |
|-------------|--|------------------------------------|--|----------|--|------------------|--|---------------|--|
| | | description text | | | | | | | |
| 1 | | DOTCOM POSTAGE | | | | | | | |
| 2 | | REGENCY CAKESTAND 3 TIER | | | | | | | |
| 3 | | WHITE HANGING HEART T-LIGHT HOLDER | | | | | | | |
| 4 | | PARTY BUNTING | | | | | | | |
| 5 | | JUMBO BAG RED RETROSPOT | | | | | | | |
| 6 | | RABBIT NIGHT LIGHT | | | | | | | |
| 7 | | POSTAGE | | | | | | | |
| 8 | | PAPER CHAIN KIT 50'S CHRISTMAS | | | | | | | |
| 9 | | ASSORTED COLOUR BIRD ORNAMENT | | | | | | | |
| 10 | | CHILLI LIGHTS | | | | | | | |

20 frequency of purchase

The screenshot shows a PostgreSQL database interface with the following components:

- Left Sidebar:** A tree view showing database objects. The 'sales_data' table is selected under the 'Columns (8)' category. Other categories include Constraints, Indexes, RLS Policies, Rules, Triggers, Trigger Functions, Types, Views, and Options.
- Top Bar:** Displays the connection 'E-commerce /postgres@PostgreSQL 16'. It includes icons for file operations, a filter icon, a dropdown set to 'No limit', and buttons for query execution (run, stop, refresh) and help.
- Tab Bar:** Contains tabs for 'Data Output', 'Messages', 'Graph Visualiser', and 'Notifications'. The 'Data Output' tab is active.
- Data Output Table:** A table with 3 columns: an index, 'customerid' (integer), and 'number_of_purchases' (bigint). It displays the top 20 rows of data, sorted by purchase frequency in descending order.
- Query Editor:** A panel on the right showing the SQL query used to retrieve the data. It includes a 'Query History' tab and a scrollable area for the query text.




| | customerid integer | number_of_purchases bigint |
|----|-----------------------|-------------------------------|
| 1 | [null] | 135080 |
| 2 | 17841 | 7983 |
| 3 | 14911 | 5903 |
| 4 | 14096 | 5128 |
| 5 | 12748 | 4642 |
| 6 | 14606 | 2782 |
| 7 | 15311 | 2491 |
| 8 | 14646 | 2085 |
| 9 | 13089 | 1857 |
| 10 | 13263 | 1677 |
| 11 | 14298 | 1640 |
| 12 | 15039 | 1508 |
| 13 | 14156 | 1420 |
| 14 | 18118 | 1284 |
| 15 | 14159 | 1212 |
| 16 | 14796 | 1165 |
| 17 | 15005 | 1160 |
| 18 | 16033 | 1152 |

```
73 LIMIT 10;  
74  
75 --Frequency of top 20 purchase  
76  
77  
78 SELECT  
79     customerid,  
80     COUNT(invinceno) AS number_of_purchases  
81 FROM sales_data  
82 GROUP BY CustomerID  
83 ORDER BY number_of_purchases DESC  
84 limit 20;  
85  
86  
87  
88  
89
```

Top month of sale

| | sales_month text  | total_revenue numeric  |
|---|--|---|
| 1 | November | 1461756.25 |

View for Monthly Sales Performance:

| | sales_month text  | monthly_revenue numeric  | monthly_transactions bigint  |
|----|--|---|---|
| 1 | 2011-11 | 1461756.25 | 84711 |
| 2 | 2011-07 | 681300.11 | 39518 |
| 3 | 2011-05 | 723333.51 | 37030 |
| 4 | 2011-02 | 498062.65 | 27707 |
| 5 | 2011-12 | 433668.01 | 25525 |
| 6 | 2011-01 | 560000.26 | 35147 |
| 7 | 2010-12 | 748957.02 | 42481 |
| 8 | 2011-04 | 493207.12 | 29916 |
| 9 | 2011-08 | 682680.51 | 35284 |
| 10 | 2011-10 | 1070704.67 | 60742 |
| 11 | 2011-06 | 691123.12 | 36874 |