DDL Output

```
NOTICE: drop cascades to 13 other objects
DROP SCHEMA
CREATE SCHEMA
NOTICE: table "employee" does not exist, skipping
NOTICE: table "department" does not exist, skipping
NOTICE: table "customer" does not exist, skipping
NOTICE: table "reservation" does not exist, skipping
NOTICE: table "room" does not exist, skipping
NOTICE: table "payment" does not exist, skipping
DROP TABLE
CREATE TABLE
CREATE TABLE
ALTER TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
CREATE TABLE
NOTICE: sequence "res id seq" does not exist, skipping
NOTICE: sequence "receipt_id_seq" does not exist, skipping
NOTICE: sequence "department_id_seq" does not exist, skipping
DROP SEQUENCE
CREATE SEQUENCE
CREATE SEQUENCE
CREATE SEQUENCE
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
CREATE FUNCTION
CREATE TRIGGER
CREATE TRIGGER
CREATE TRIGGER
CREATE TRIGGER
```

DML Output

SET

INSERT 0 12

INSERT 0 10

INSERT 0 20

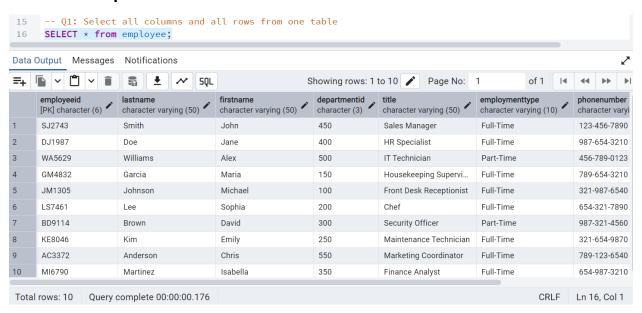
INSERT 0 10

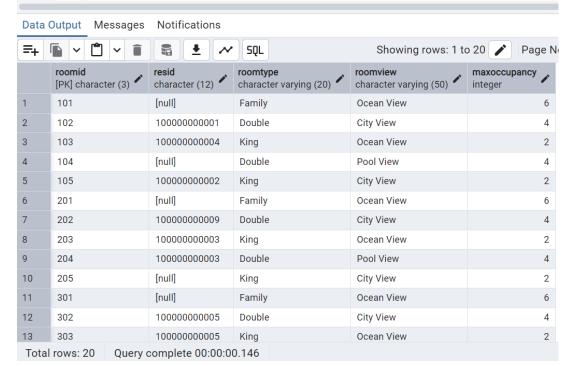
INSERT 0 10

INSERT 0 10

UPDATE 1

SQL Output



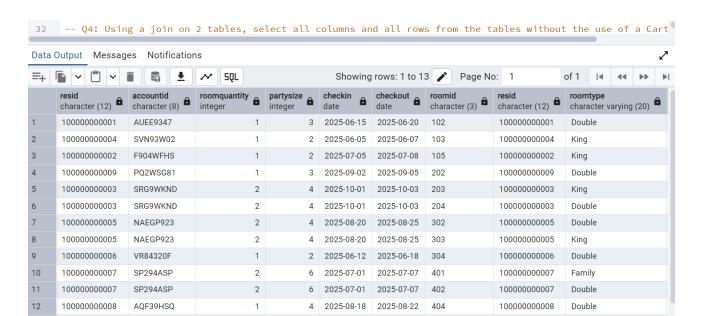


22 -- Q3: Select all columns from all rows from one view



=+		4 .	~ SQL	Showin
	roomview character varying (50)	floor integer	roomtype character varying (20)	
1	Ocean View	1	Family	
2	City View	1	Double	
3	Pool View	1	Double	
4	Ocean View	2	Family	
5	City View	2	Double	
6	Pool View	2	Double	
7	Ocean View	3	Family	
8	City View	3	Double	
9	Pool View	3	Double	
10	Ocean View	4	Family	
11	City View	4	Double	
12	Pool View	4	Double	

Total rows: 12 Query complete 00:00:00.121



CRLF

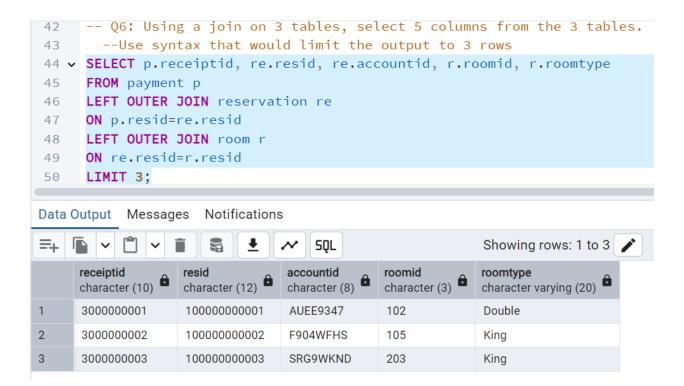
Ln 33, Col 1

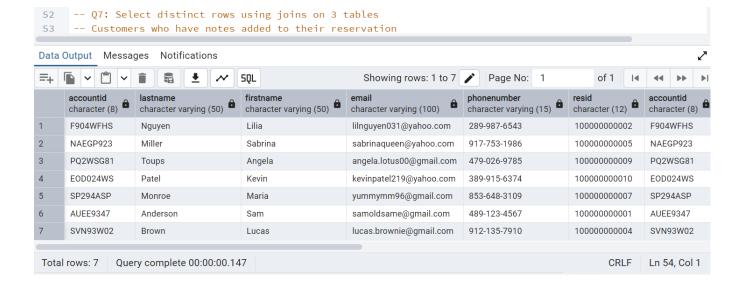
- 38 -- Q5: Select and order data retrieved from one table
- 39 v SELECT * from payment

Total rows: 13 Query complete 00:00:00.125

40 ORDER BY totalamount;

Data Output Messages Notifications =+ Page No: 1 SQL Showing rows: 1 to 10 receiptid resid paymentmethod totalamount datepaid notes [PK] character (10) character (12) character varying (50) numeric (10,2) date text 3000000002 100000000002 Credit Card 150.00 2025-04-02 Paid in cash at counter 1 2 300000010 100000000010 Credit Card 180.00 2025-04-10 Paid same day 3 300000006 100000000006 Credit Card 190.00 2025-04-06 [null] 300000004 100000000004 **Debit Card** 220.00 2025-04-04 Paid via debit 4 5 300000001 100000000001 Credit Card 250.00 2025-04-01 Paid in full 6 300000005 10000000005 Credit Card 275.00 2025-04-05 Online transfer 7 300000003 10000000003 Credit Card 300.00 2025-04-03 [null] 8 300000007 100000000007 **Debit Card** 310.00 2025-04-07 Discount applied 9 300000009 100000000009 **Debit Card** 400.00 2025-04-09 Late fee included 300000008 10000000008 **Debit Card** 450.00 2025-04-08 10 [null] Total rows: 10 Query complete 00:00:00.188





- 62 -- Q8: Use GROUP BY and HAVING in a select statement using one or more tables
- 63 --Filter the information of departments with fewer than 5 employees
- 64 --Display the department id, department name, number of employees

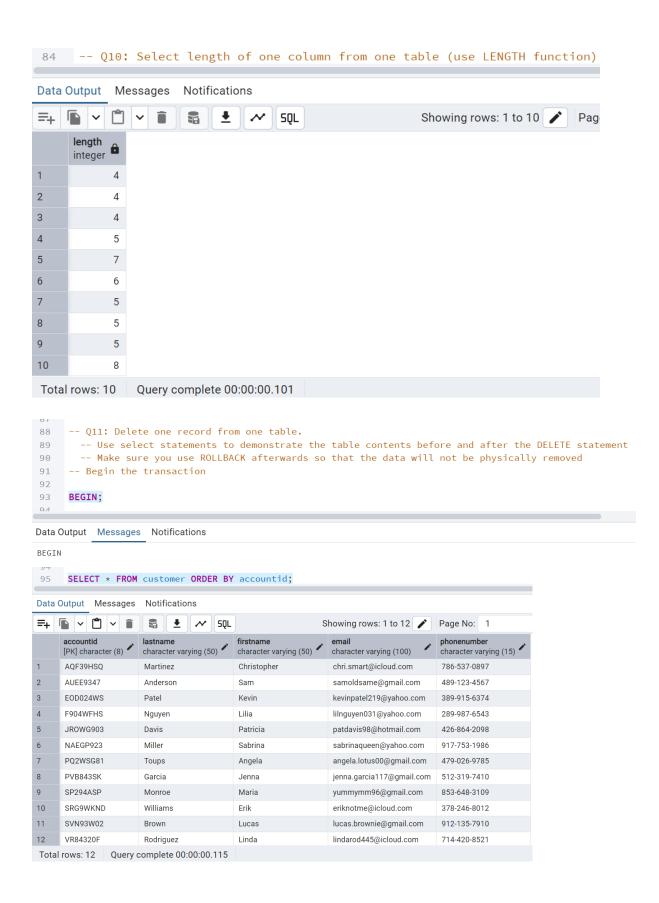
Data Output Messages Notifications =+ SQL Showing rows: 1 to 10 Page No: count bigint departmentid departmentname [PK] character (3) character varying (100) Maintenance 2 350 Accounting 3 400 **Human Resources** 4 500 IT Support 1 Front Desk 5 100 6 300 Security 1 **Events and Banquets** 7 550 8 450 Sales and Marketing 1 9 150 Housekeeping 1 Food and Beverage 10 200 1

76 -- Q9: Use IN clause to select data from one or more tables

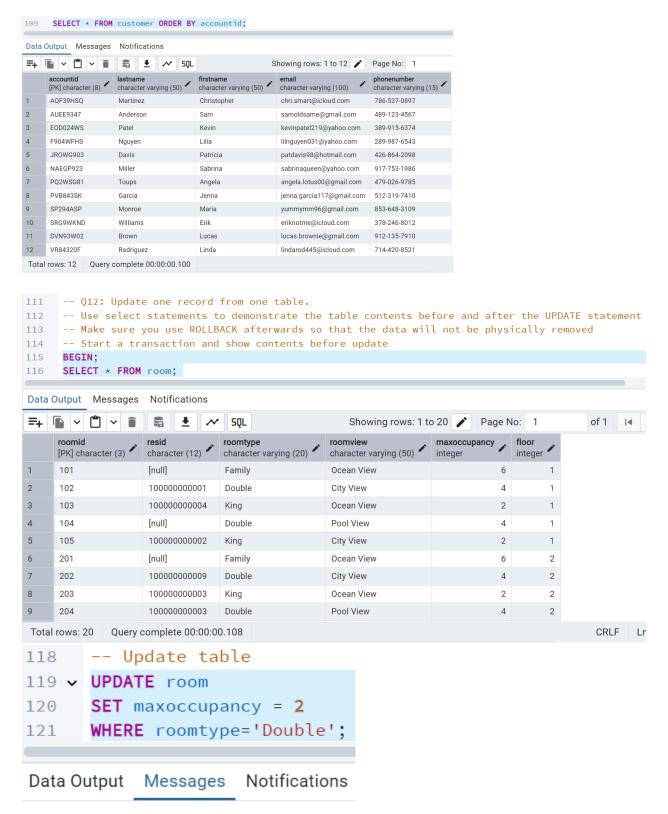
Query complete 00:00:00.111

Total rows: 10

Data Output Messages Notifications										
=+ □ V □ V □ Page No: 1										
	roomid [PK] character (3)	resid character (12)	roomtype character varying (20)	roomview character varying (50)	maxoccupancy integer	floor integer				
1	102	10000000001	Double	City View	4	1				
2	103	100000000004	King	Ocean View	2	1				
3	105	100000000002	King	City View	2	1				
4	202	100000000009	Double	City View	4	2				
5	203	10000000003	King	Ocean View	2	2				
6	204	10000000003	Double	Pool View	4	2				
7	302	10000000005	Double	City View	4	3				
8	303	10000000005	King	Ocean View	2	3				
9	304	10000000006	Double	Pool View	4	3				
10	401	10000000007	Family	Ocean View	6	4				
11	402	10000000007	Double	City View	4	4				
12	404	10000000008	Double	Pool View	4	4				
13	405	10000000010	King	City View	2	4				
Total rows: 13 Query complete 00:00:00.166										



```
97 ▼ DELETE FROM customer
         WHERE accountid = (
 98
               SELECT accountid
 99
100
               FROM customer
101
               WHERE accountid NOT IN (SELECT accountid FROM reservation)
102
               LIMIT 1
103
         );
                               Notifications
Data Output
                Messages
DELETE 1
       SELECT * FROM customer ORDER BY accountid;
105
Data Output Messages
                        Notifications
            <u>*</u>
                                       SQL
                                                              Showing rows: 1 to 11
                                                                                        Page No: 1
=+
     F.
                                                                email
      accountid
                       lastname
                                            firstname
                                                                                        phonenumber
                                            character varying (50)
      [PK] character (8)
                                                                character varying (100)
                                                                                        character varying (15)
                       character varying (50)
      AQF39HSQ
                                                                                        786-537-0897
                       Martinez
                                            Christopher
                                                                chri.smart@icloud.com
2
      AUEE9347
                       Anderson
                                            Sam
                                                                samoldsame@gmail.com
                                                                                        489-123-4567
3
      EOD024WS
                       Patel
                                            Kevin
                                                                kevinpatel219@yahoo.com
                                                                                        389-915-6374
4
      F904WFHS
                       Nguyen
                                            Lilia
                                                                lilnguyen031@yahoo.com
                                                                                        289-987-6543
      NAEGP923
5
                       Miller
                                            Sabrina
                                                                sabrinaqueen@yahoo.com
                                                                                        917-753-1986
      PQ2WSG81
6
                       Toups
                                            Angela
                                                                angela.lotus00@gmail.com
                                                                                        479-026-9785
      PVB843SK
                       Garcia
                                            Jenna
                                                                jenna.garcia117@gmail.com
                                                                                        512-319-7410
8
      SP294ASP
                                                                yummymm96@gmail.com
                                                                                        853-648-3109
                       Monroe
                                            Maria
      SRG9WKND
                       Williams
                                            Erik
                                                                eriknotme@icloud.com
                                                                                        378-246-8012
      SVN93W02
                                                                                        912-135-7910
10
                       Brown
                                            Lucas
                                                                lucas.brownie@gmail.com
11
      VR84320F
                       Rodriguez
                                            Linda
                                                                lindarod445@icloud.com
                                                                                        714-420-8521
Total rows: 11
                Query complete 00:00:00.167
106
            ROLLBACK;
107
 Data Output
                     Messag
 ROLLBACK
```



UPDATE 8

