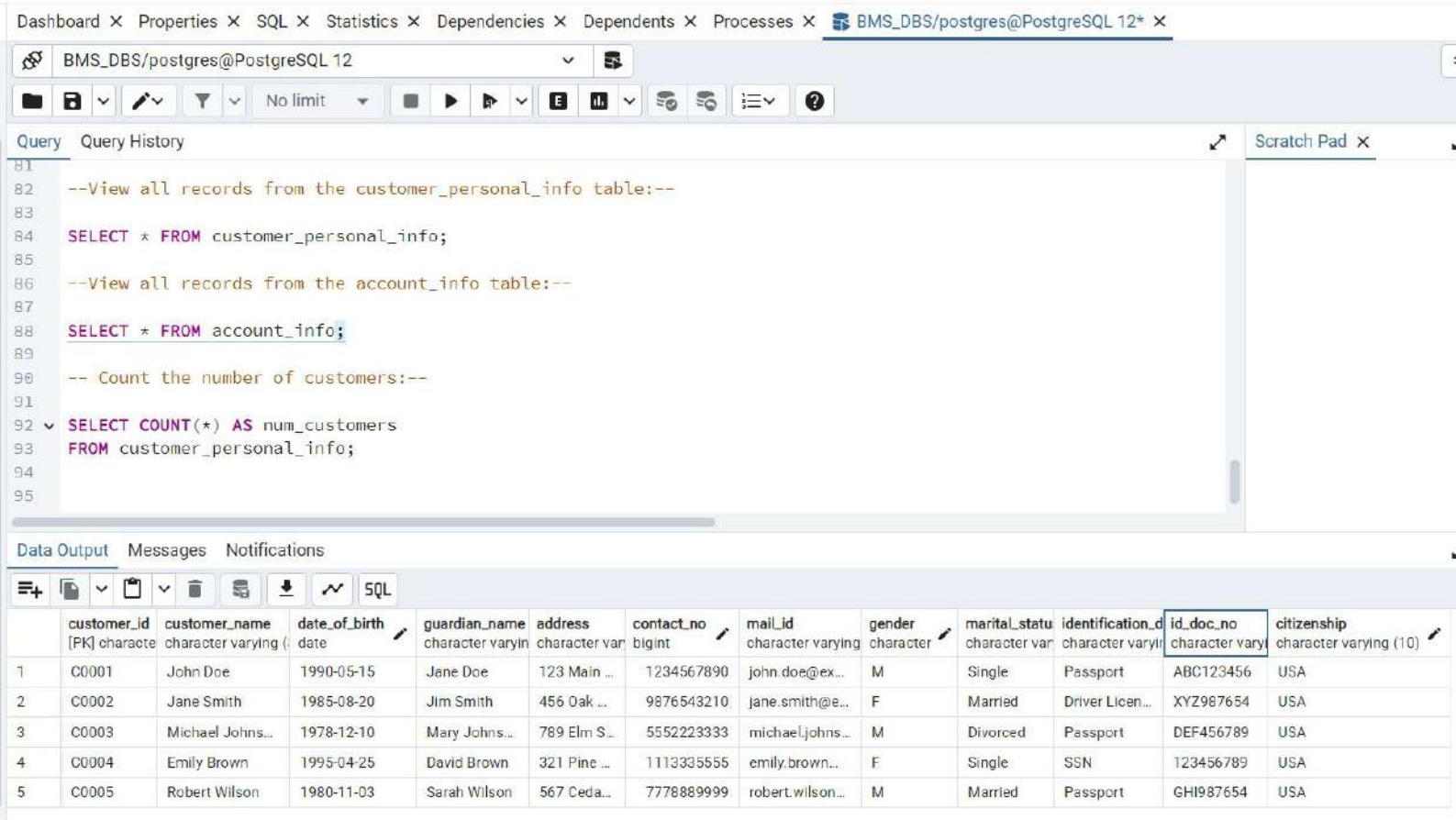
Bank Database Management System


Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
BMS_DBS/postgres@PostgreSQL 12*
BMS_DBS/postgres@PostgreSQL 12
No limit
Query
Query History
Scratch Pad
--View all records from the customer_personal_info table:--
SELECT * FROM customer_personal_info;
--View all records from the account_info table:--
SELECT * FROM account_info;
-- Count the number of customers:--
SELECT COUNT(*) AS num_customers
FROM customer_personal_info;
Data Output
Messages
Notifications
SQL
customer_id [PK] character
customer_name character varying
date_of_birth date
guardian_name character varyin
address character var
contact_no bigint
mail_id character varying
gender character
marital_statu character var
identification_d character varyi
id_doc_no character vary
citizenship character varying (10)
1 C0001 John Doe 1990-05-15 Jane Doe 123 Main ... 1234567890 john.doe@ex... M Single Passport ABC123456 USA
2 C0002 Jane Smith 1985-08-20 Jim Smith 456 Oak ... 9876543210 jane.smith@e... F Married Driver Licen... XYZ987654 USA
3 C0003 Michael Johns... 1978-12-10 Mary Johns... 789 Elm S... 5552223333 michael.johns... M Divorced Passport DEF456789 USA
4 C0004 Emily Brown 1995-04-25 David Brown 321 Pine ... 1113335555 emily.brown... F Single SSN 123456789 USA
5 C0005 Robert Wilson 1980-11-03 Sarah Wilson 567 Ceda... 7778889999 robert.wilson... M Married Passport GHI987654 USA

Dashboard × Properties × SQL × Statistics × Dependencies × Dependents × Processes × BMS_DBS/postgres@PostgreSQL 12* ×

BMS_DBS/postgres@PostgreSQL 12

No limit

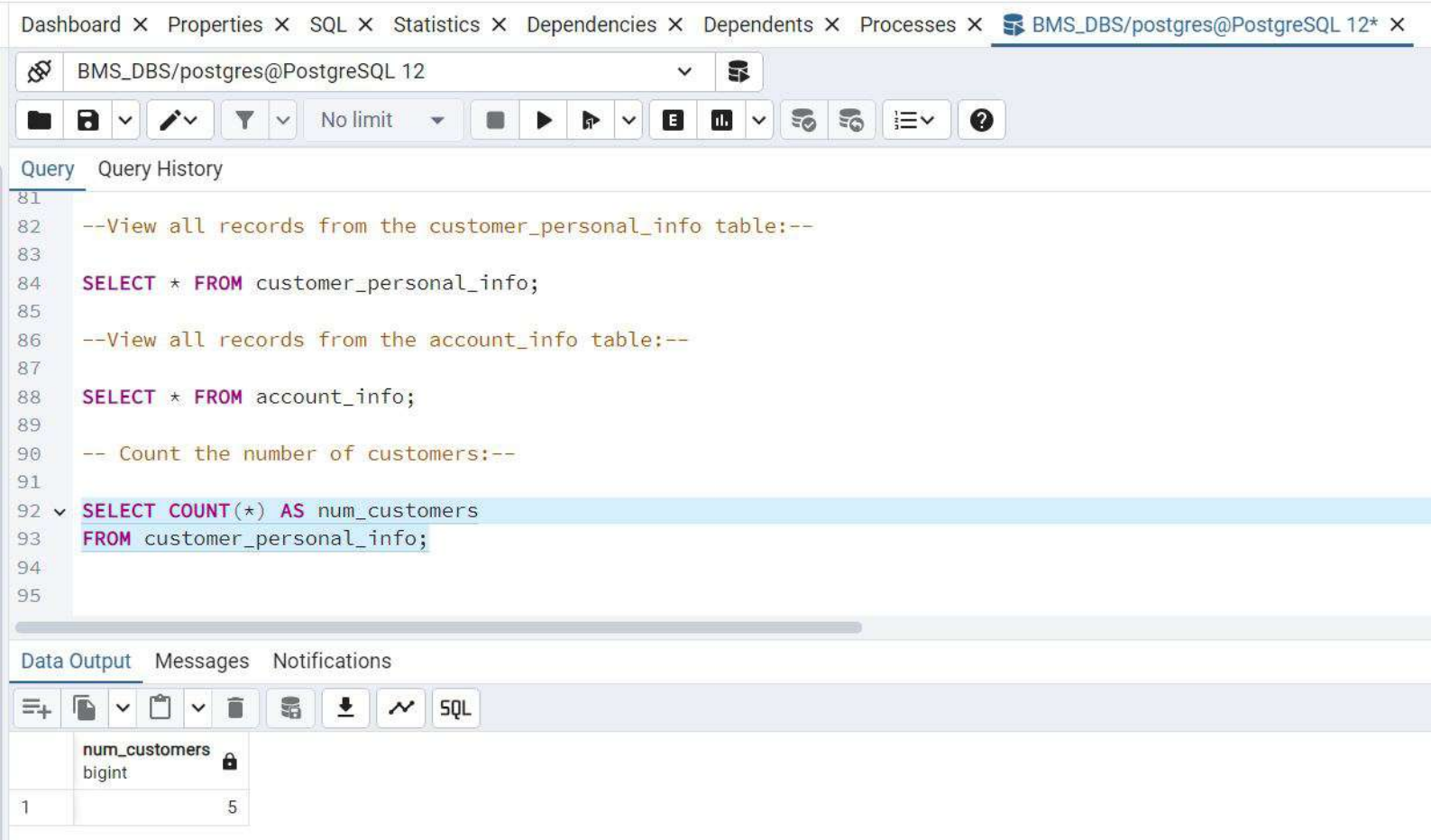
Query Query History

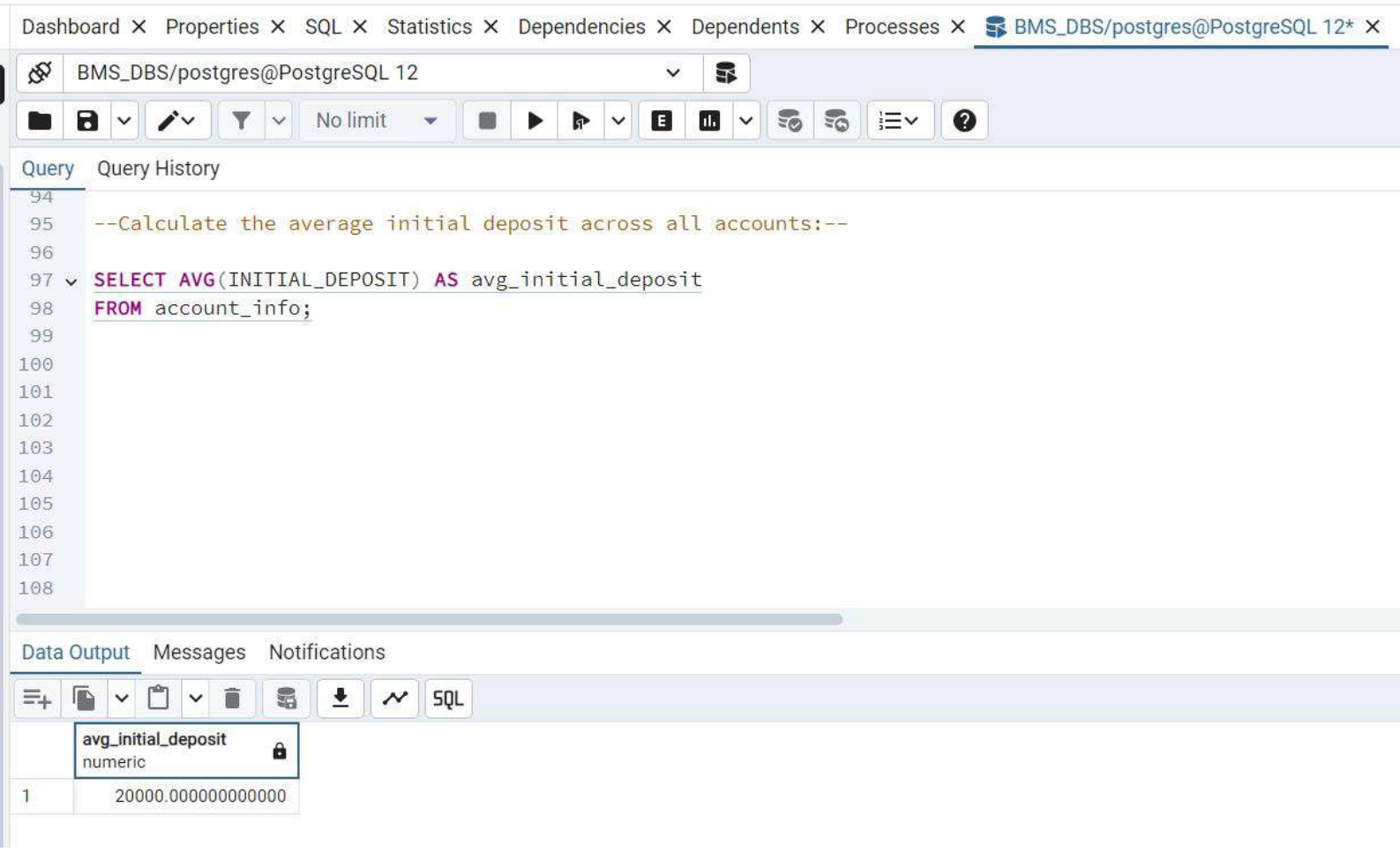
```
81
82  --View all records from the customer_personal_info table:--
83
84  SELECT * FROM customer_personal_info;
85
86  --View all records from the account_info table:--
87
88  SELECT * FROM account_info;
89
90  -- Count the number of customers:--
91
92  SELECT COUNT(*) AS num_customers
93  FROM customer_personal_info;
94
95
```

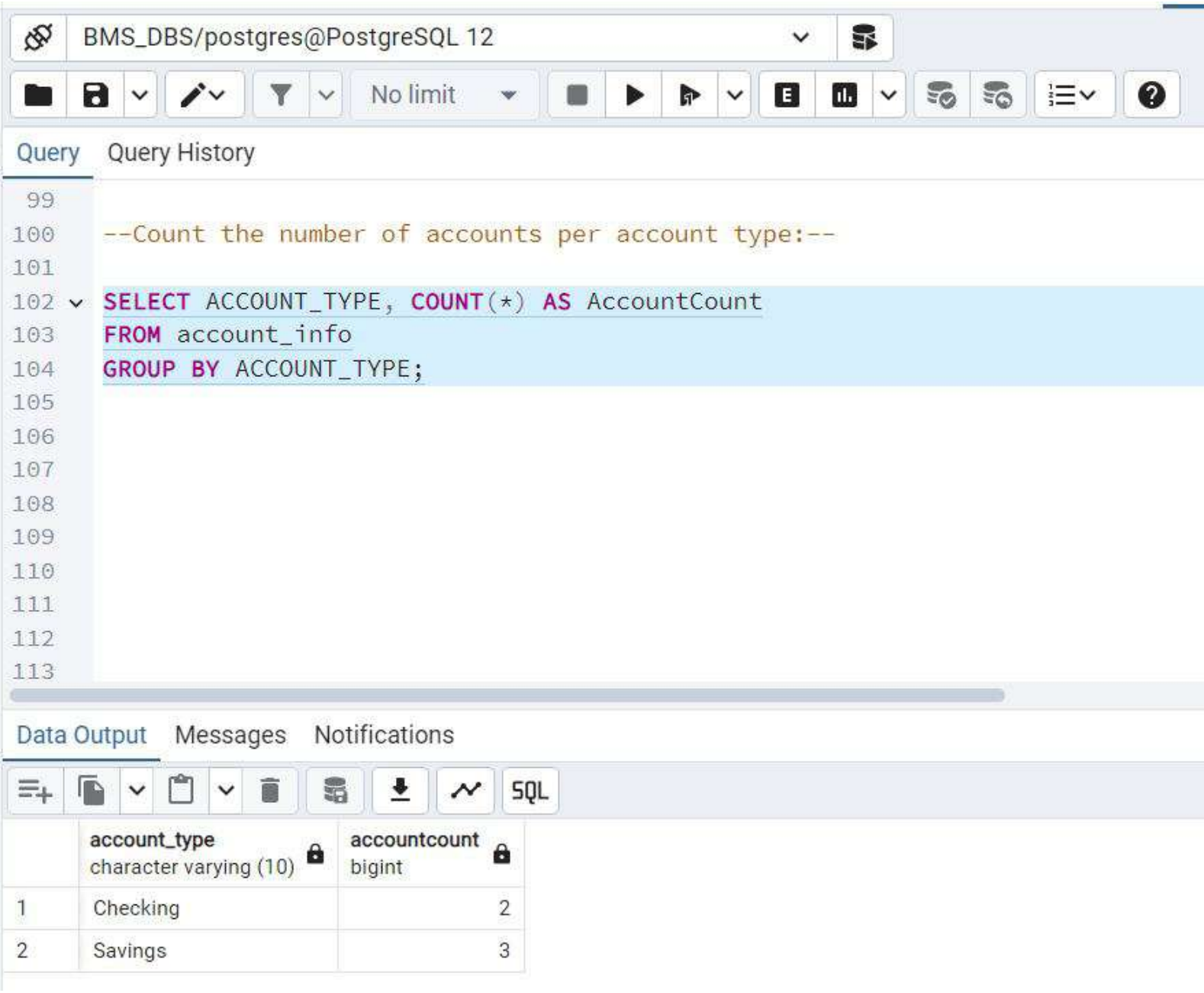
Data Output Messages Notifications

SQL

	account_no [PK] bigint	customer_id character varying (5)	account_type character varying (10)	registration_date date	activation_date date	ifsc_code character varying (15)	interest numeric (7,2)	initial_deposit bigint
1	100001	C0001	Savings	2023-01-15	2023-01-20	ABCD1234567	3.25	10000
2	100002	C0002	Checking	2023-02-10	2023-02-15	EFGH2345678	2.75	15000
3	100003	C0003	Savings	2023-03-05	2023-03-10	IJKL3456789	3.00	20000
4	100004	C0004	Savings	2023-04-20	2023-04-25	MNOP4567890	3.50	25000
5	100005	C0005	Checking	2023-05-15	2023-05-20	QRST5678901	2.50	30000


Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
BMS_DBS/postgres@PostgreSQL 12*
BMS_DBS/postgres@PostgreSQL 12
No limit
Query
Query History
--View all records from the customer_personal_info table:--
SELECT * FROM customer_personal_info;
--View all records from the account_info table:--
SELECT * FROM account_info;
-- Count the number of customers:--
SELECT COUNT(*) AS num_customers
FROM customer_personal_info;
Data Output
Messages
Notifications
SQL
num_customers
bigint
1
5


Dashboard
Properties
SQL
Statistics
Dependencies
Dependents
Processes
BMS_DBS/postgres@PostgreSQL 12*
BMS_DBS/postgres@PostgreSQL 12
No limit
Query
Query History
--Calculate the average initial deposit across all accounts:--
SELECT AVG(INITIAL_DEPOSIT) AS avg_initial_deposit
FROM account_info;
Data Output
Messages
Notifications
SQL
avg_initial_deposit
numeric
1
20000.000000000000


BMS_DBS/postgres@PostgreSQL 12
No limit
Query
Query History
99
100 --Count the number of accounts per account type:--
101
102 SELECT ACCOUNT_TYPE, COUNT(*) AS AccountCount
103 FROM account_info
104 GROUP BY ACCOUNT_TYPE;
105
106
107
108
109
110
111
112
113
Data Output
Messages
Notifications
SQL
account_type
character varying (10)
accountcount
bigint
1 Checking 2
2 Savings 3

BMS_DBS/postgres@PostgreSQL 12

No limit

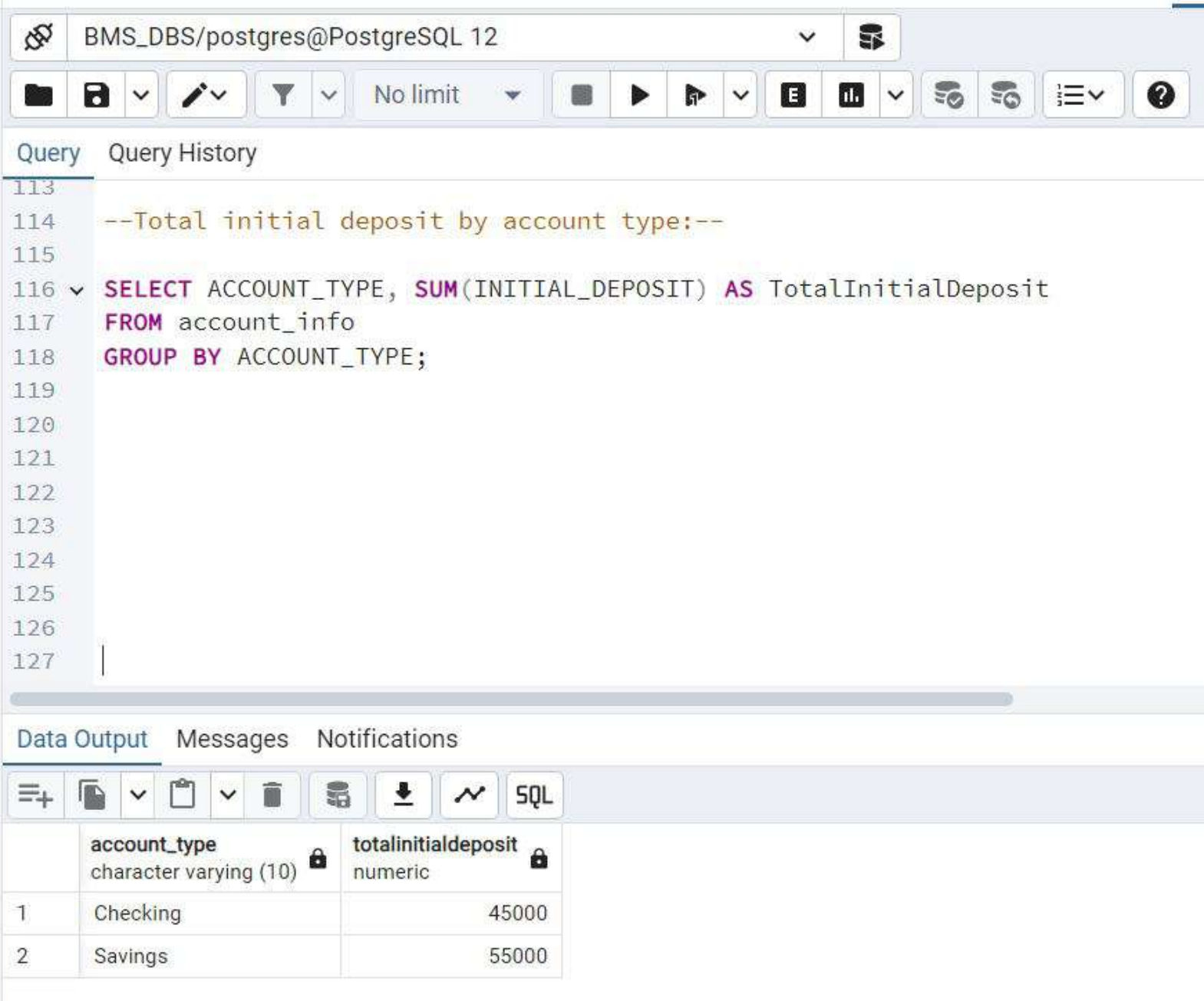
Query | Query History

```
105
106  --Total initial deposit per customer:--
107
108  SELECT c.CUSTOMER_ID, c.CUSTOMER_NAME, SUM(a.INITIAL_DEPOSIT) AS TotalInitialDeposit
109  FROM customer_personal_info c
110  JOIN account_info a ON c.CUSTOMER_ID = a.CUSTOMER_ID
111  GROUP BY c.CUSTOMER_ID, c.CUSTOMER_NAME
112  ORDER BY customer_id;
113
114
115
116
117
118
119
```

Data Output | Messages | Notifications

SQL

	customer_id [PK] character varying (5)	customer_name character varying (30)	totalinitialdeposit numeric
1	C0001	John Doe	10000
2	C0002	Jane Smith	15000
3	C0003	Michael Johnson	20000
4	C0004	Emily Brown	25000
5	C0005	Robert Wilson	30000


BMS_DBS/postgres@PostgreSQL 12
No limit
Query
Query History
113
114 --Total initial deposit by account type:--
115
116 SELECT ACCOUNT_TYPE, SUM(INITIAL_DEPOSIT) AS TotalInitialDeposit
117 FROM account_info
118 GROUP BY ACCOUNT_TYPE;
119
120
121
122
123
124
125
126
127
Data Output
Messages
Notifications
SQL
account_type
character varying (10)
totalinitialdeposit
numeric
1 Checking 45000
2 Savings 55000

BMS_DBS/postgres@PostgreSQL 12

No limit

Query | Query History

```
119
120  --Find customers with multiple accounts:--
121
122  SELECT CUSTOMER_ID, COUNT(*) AS NumberOfAccounts
123  FROM account_info
124  GROUP BY CUSTOMER_ID
125  HAVING COUNT(*) >= 1;
126
127
128
129
130
131
132
133
```

Data Output | Messages | Notifications

SQL

	customer_id character varying (5)	numberofaccounts bigint
1	C0003	1
2	C0004	1
3	C0002	1
4	C0001	1
5	C0005	1

BMS_DBS/postgres@PostgreSQL 12

No limit

Query | Query History

```
126
127  --Find the correlation between initial deposit and interest rate:--
128
129  SELECT INITIAL_DEPOSIT, INTEREST
130  FROM account_info;
131
132
133
134
135
136
137
138
139
140
```

Data Output | Messages | Notifications

SQL

	initial_deposit bigint	interest numeric (7,2)
1	10000	3.25
2	15000	2.75
3	20000	3.00
4	25000	3.50
5	30000	2.50

BMS_DBS/postgres@PostgreSQL 12

No limit

Query | Query History

```
131
132  --Customer demographics summary:--
133
134  SELECT GENDER, MARITAL_STATUS, COUNT(*) AS Count
135  FROM customer_personal_info
136  GROUP BY GENDER, MARITAL_STATUS;
137
138
139
140
141
142
143
144
145
```

Data Output | Messages | Notifications

SQL

	gender character	marital_status character varying (10)	count bigint
1	F	Married	1
2	M	Single	1
3	M	Divorced	1
4	M	Married	1
5	F	Single	1

Thank You