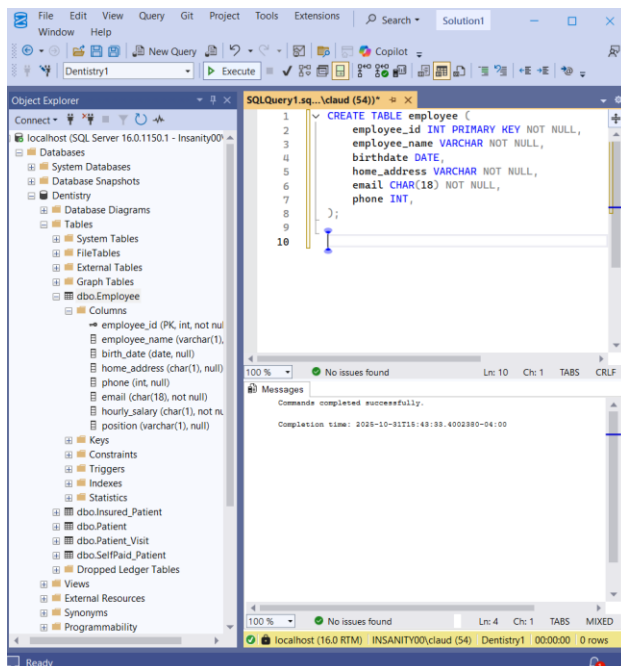
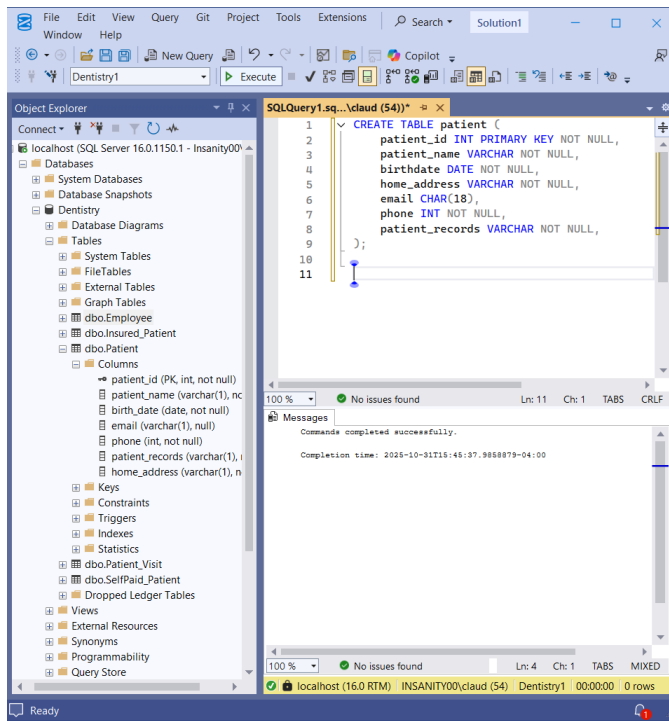


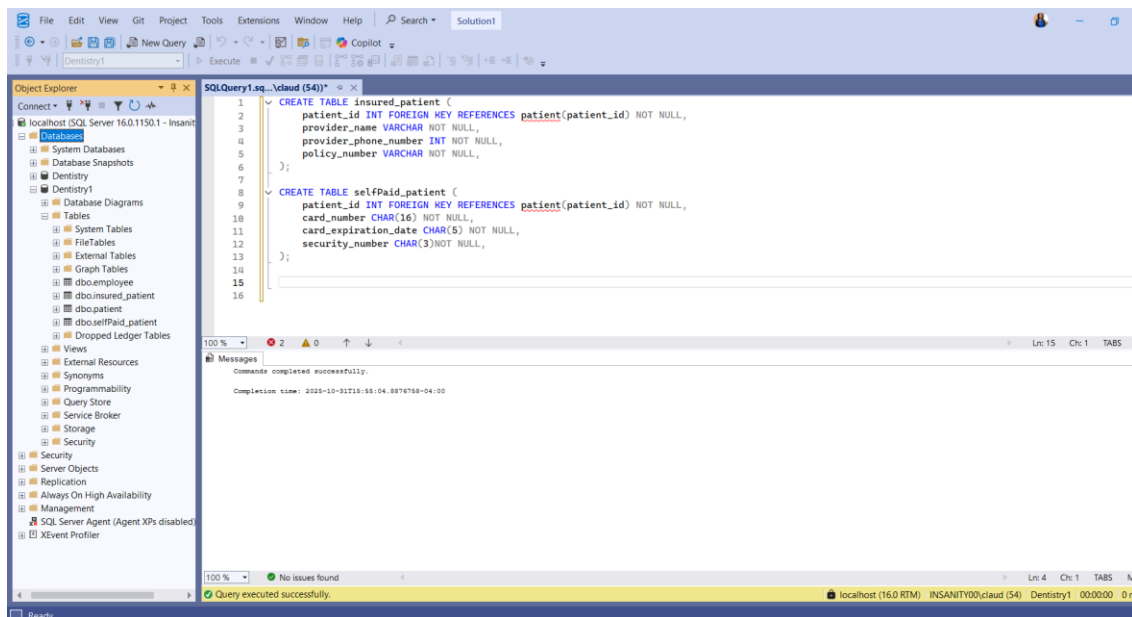
Database “Dentistry1” is Created



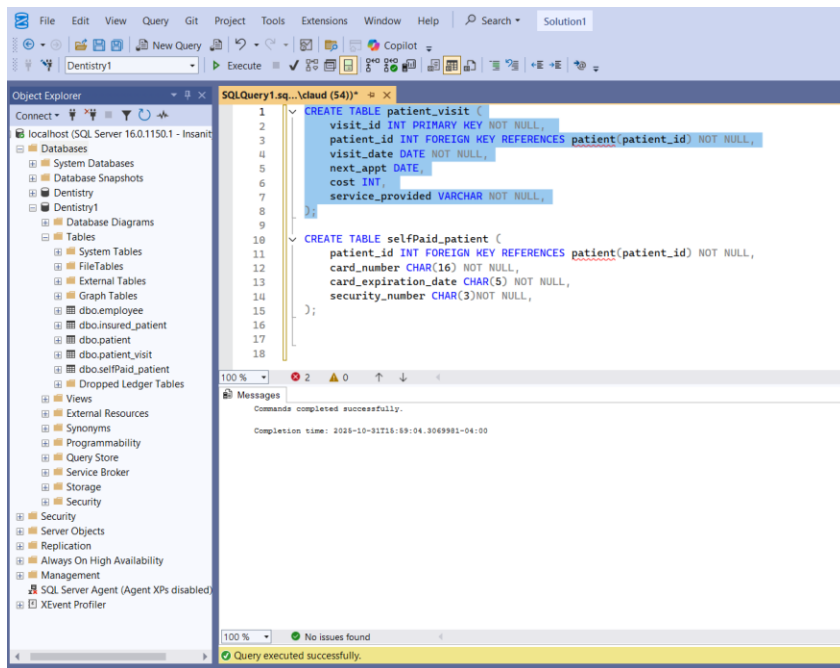
Create table “employee”



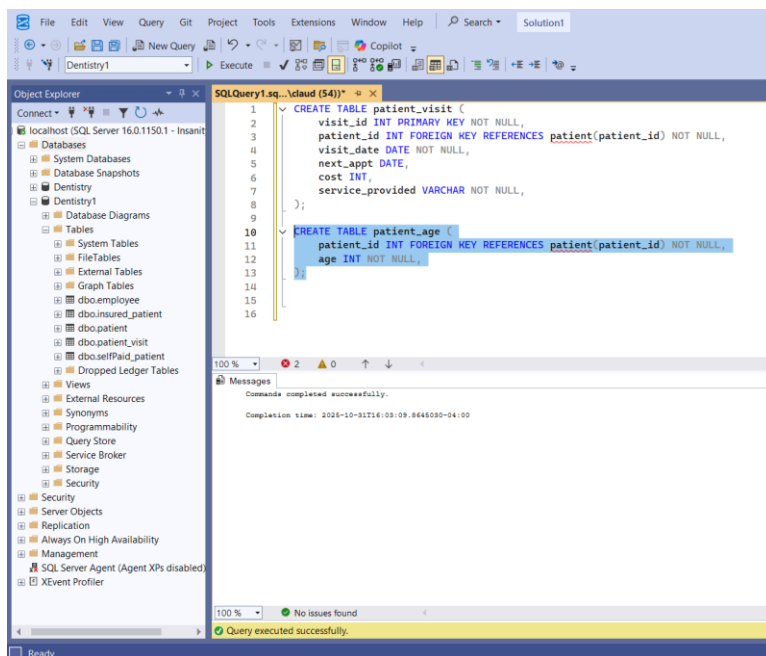
Create table “patient”



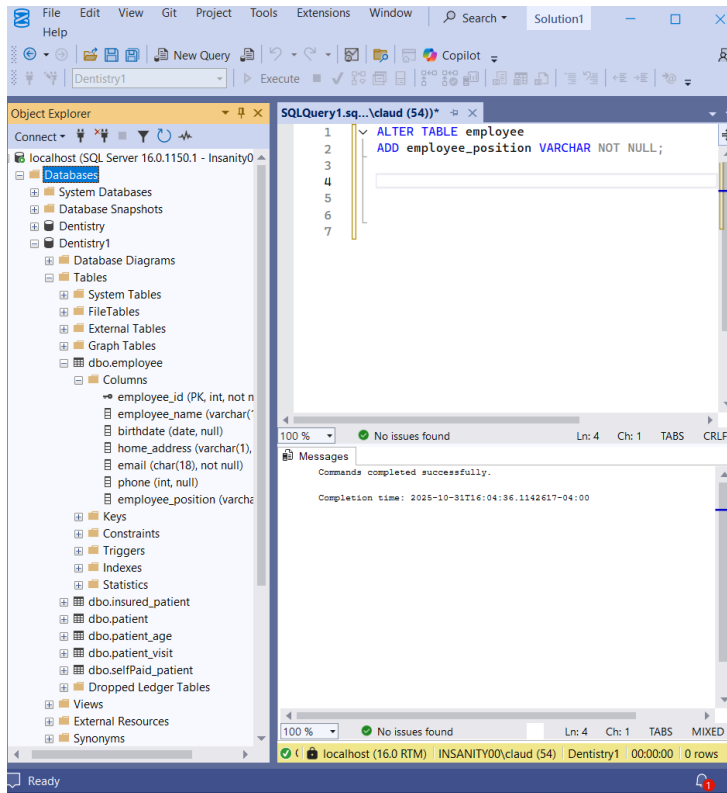
Create two tables: “selfPaid\_patient” and “insured\_patient” (subtypes of patient)



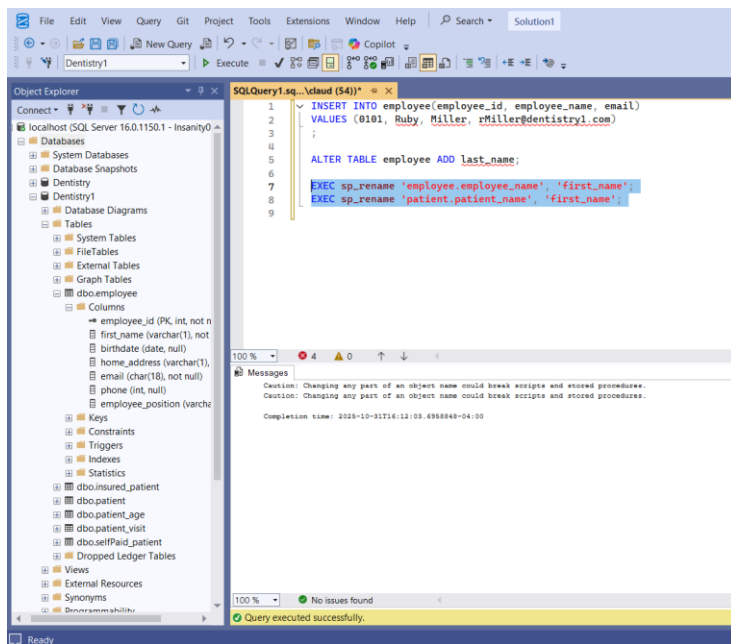
Create table “patient\_visit”



Create table "patient\_age"



Add column “employee\_position” to the table “employee”



Renamed the columns “employee\_name” and “patient\_name” to “first\_name”

```
1 INSERT INTO employee(employee_id, first_name, last_name, email, phone, birthdate, 'Jonesboro, GA', employee_position)
2 VALUES
3 (0191, 'Ruby', 'Miller', 'rMiller@dentistry1.com', 4046307070, '1979-06-15', 'Dentist'),
4 (0192, 'James', 'Davis', 'jDavis@dentistry1.com', 776987418, '1987-10-23', 'Dentist'),
5 (0197, 'Juan', 'Carlos Rodriguez', 'jRodrig@dentistry1.com', 4782153221, '1989-05-29', 'Hygienist'),
6 (0189, 'Ahmed', 'Abara', 'aAbara@dentistry1.com', 678985673, '1979-07-12', 'Hygienist')
7 ;
8
9 ALTER TABLE employee ADD last_name VARCHAR NOT NULL;
10 ALTER TABLE patient ADD last_name VARCHAR NOT NULL;
11
12
```

Messages

Commands completed successfully.

Completion time: 2028-10-31T16:24:09.8474984-04:00

Add the columns “last\_name” to the tables “employee” and “patient”

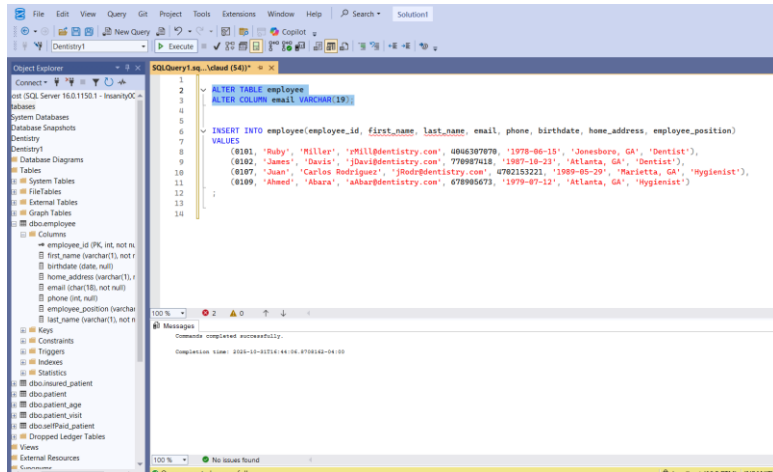
```
1 SELECT * FROM employee;
2
3 ALTER TABLE employee
4 ALTER COLUMN first_name VARCHAR(20);
5
6 ALTER TABLE employee
7 ALTER COLUMN last_name VARCHAR(20);
8
9 ALTER TABLE employee
10 ALTER COLUMN employee_position VARCHAR(20);
11
```

Messages

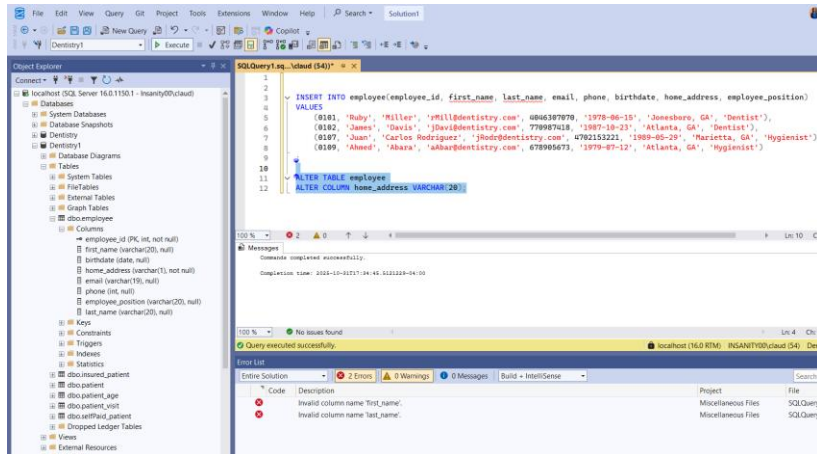
Commands completed successfully.

Completion time: 2028-10-31T16:24:09.851261659-04:00

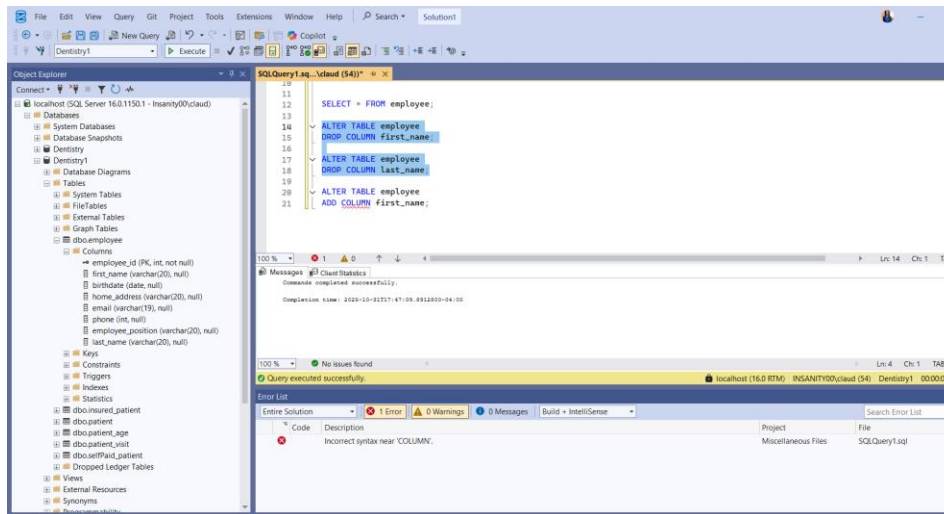
Accepted input length adjusted for “employee” columns of type VARCHAR



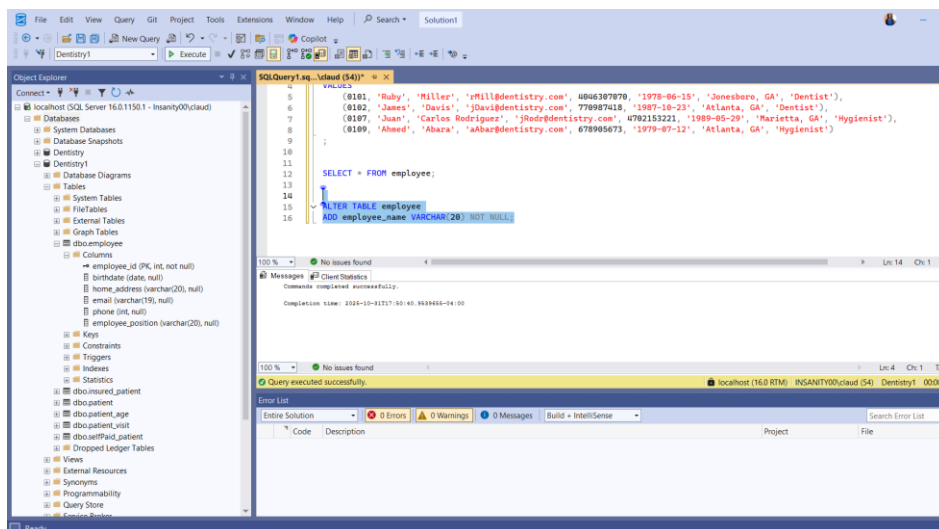
Accepted input length adjusted for “employee” column “email” of type VARCHAR



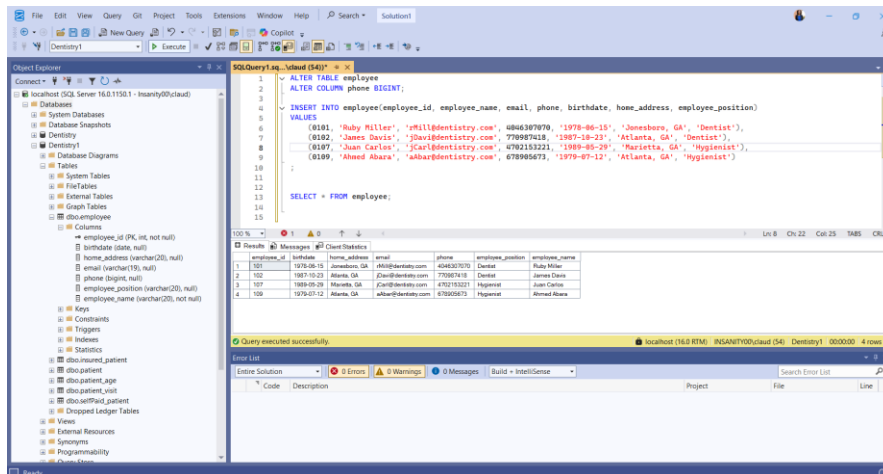
Accepted input length adjusted for “employee” column “home\_address” of type VARCHAR



Two “\_name” columns removed from “employee” table



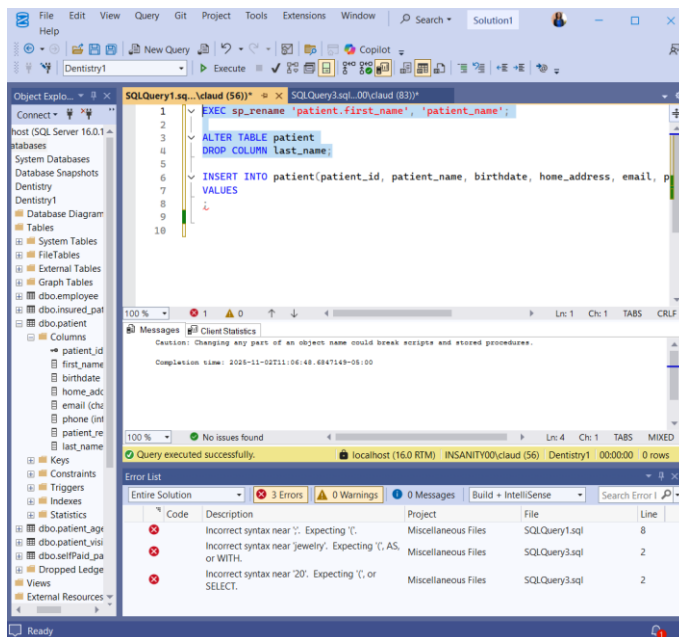
Column “employee\_name” added to “employee” table



Column “phone” in “employee” table adjusted to have value type BIGINT.

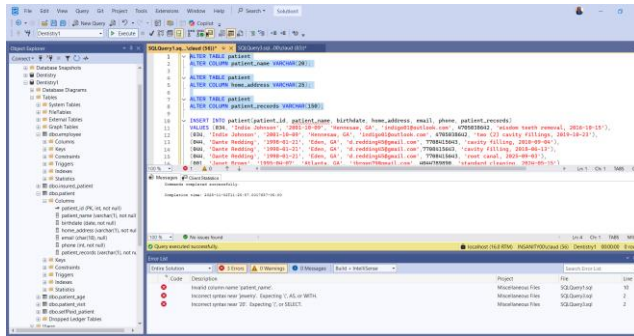
Four rows added to “employee” table.

Full table “employee” is requested and shown.

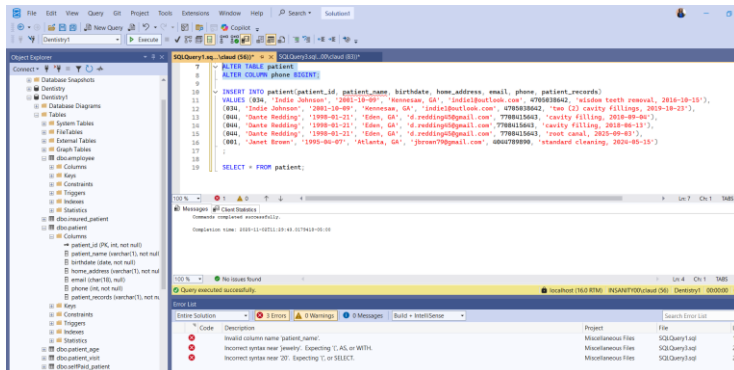


In table “patient”, “first\_name” column renamed to “patient\_name” and “last\_name” column dropped.

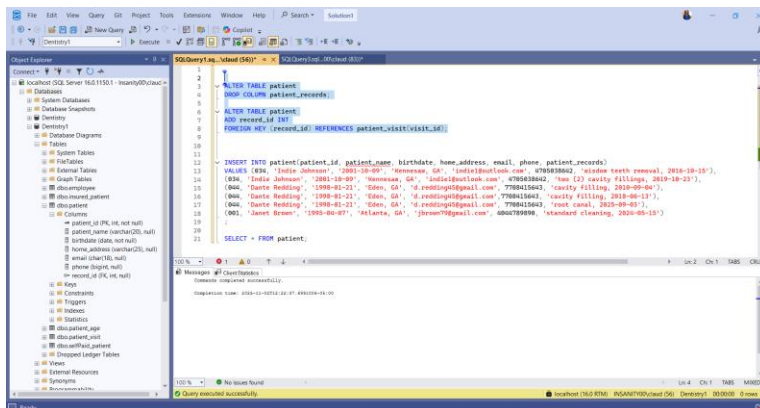




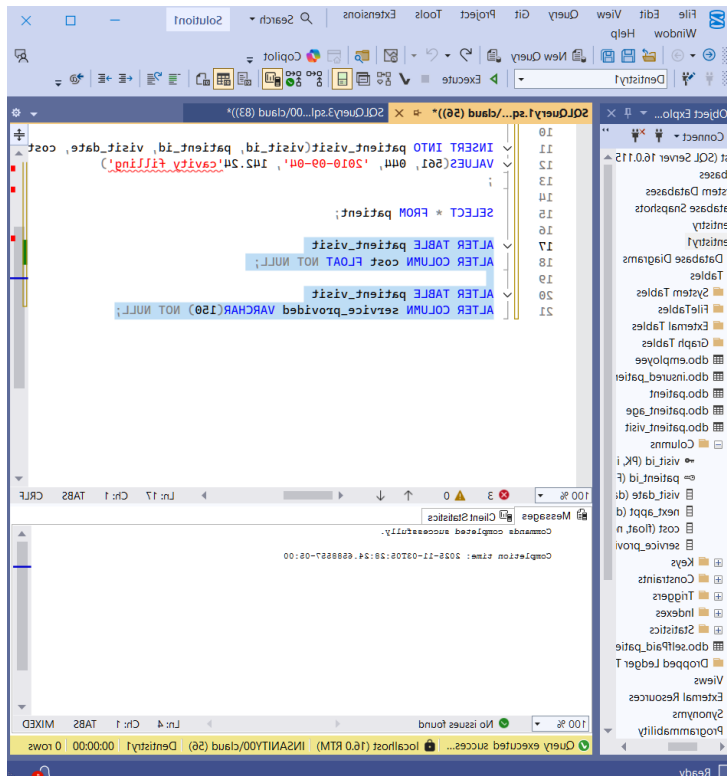
Columns “patient\_records”, “patient\_name”, and “home\_address” in table “patient” are adjusted to accept large character lengths.



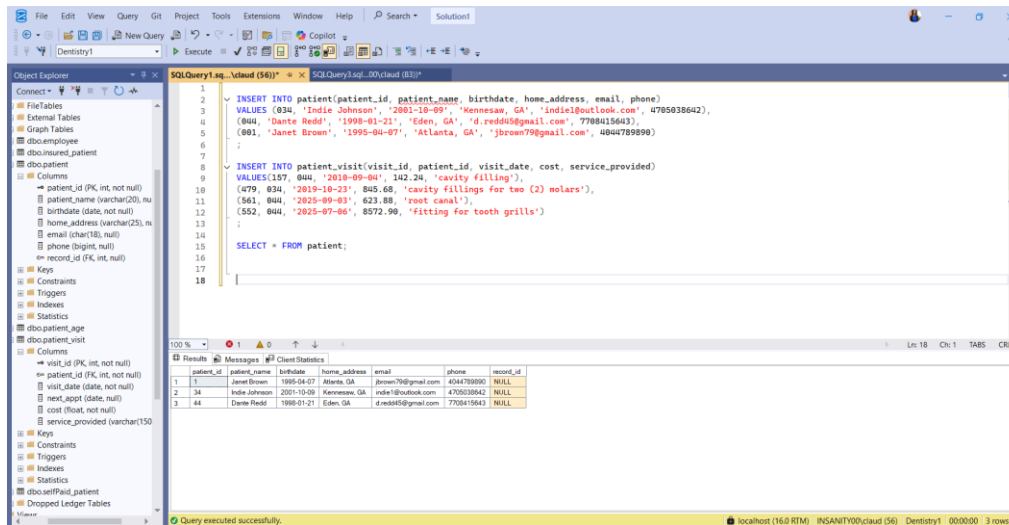
Variable type for column “phone” in table “patient” changed from INT to BIGINT.



Column “patient\_records” removed from table “patient” and replaced by foreign key “record\_id” that references “visit\_id” in table “patient\_visit.”

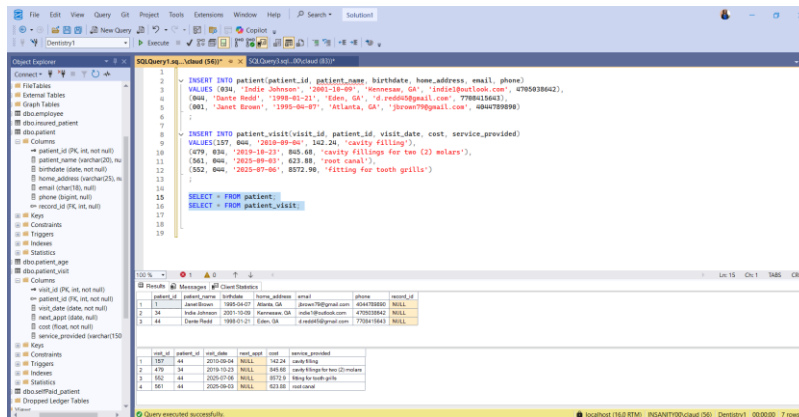


In table “patient\_visit”, column “service\_provided” can now accept more characters and column “cost” is now a float type.

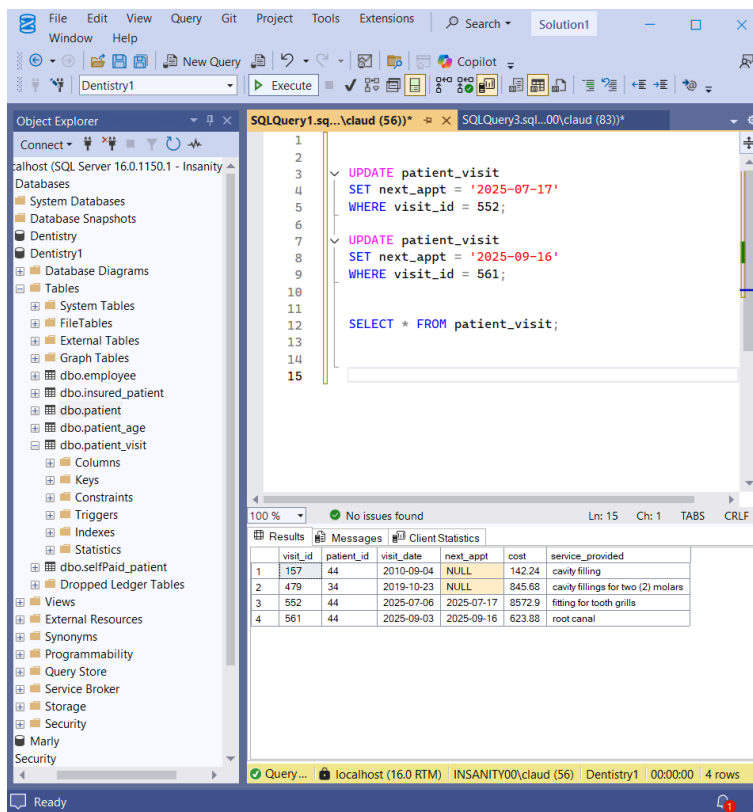


Values given to tables “patient” and “patient\_visit”.

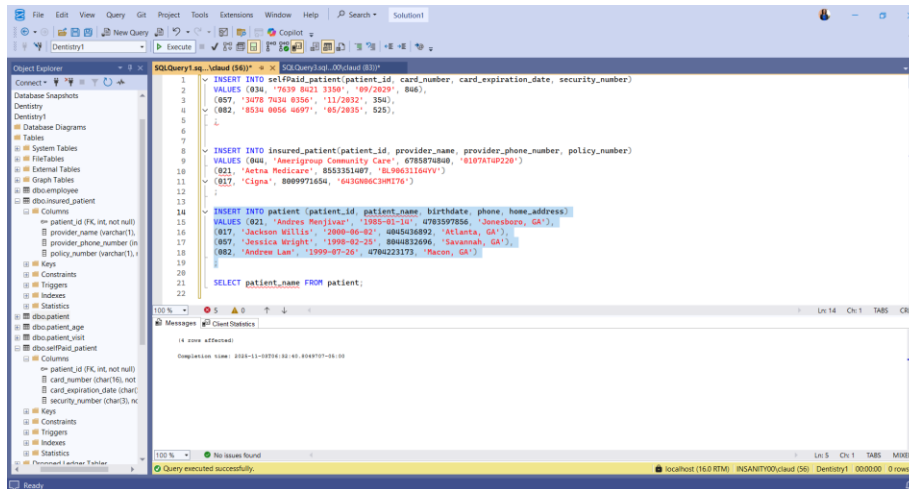
Entire table of “patient” is displayed.



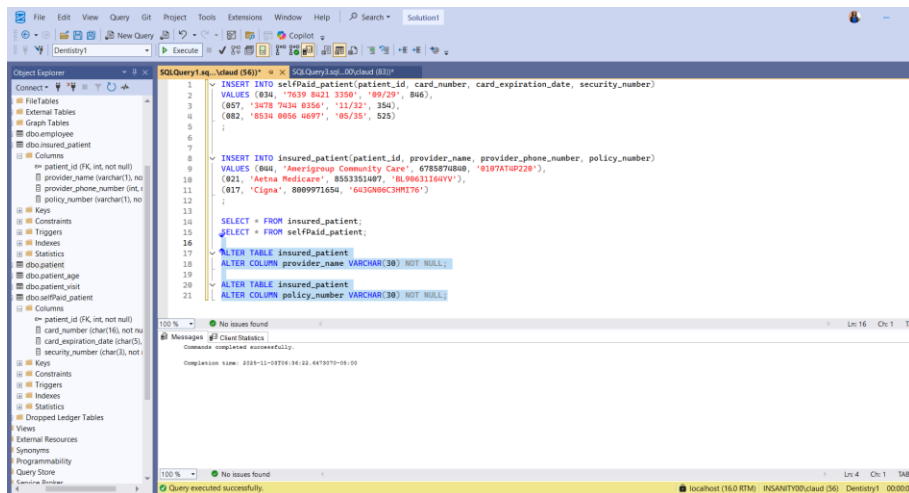
“patient” and “patient\_visit” tables queried and shown.



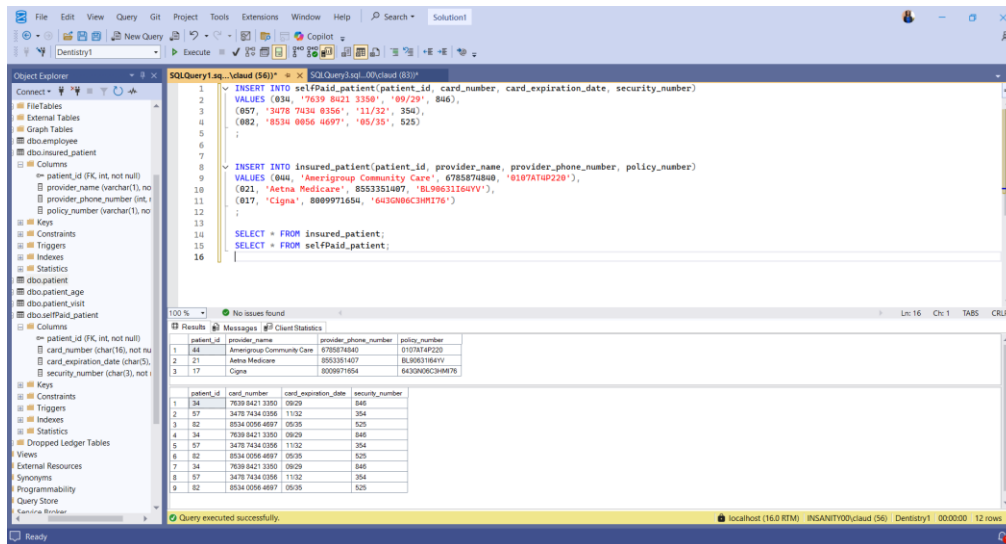
Additional values given to “patient\_visit” table and the table is displayed.



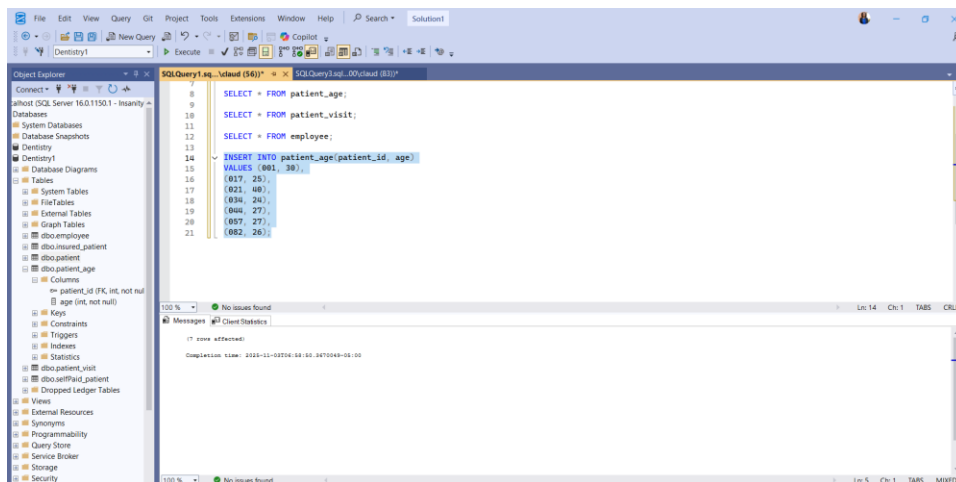
More values added to “patient” table.



Acceptable input amount for “provider\_name” and “policy\_number” in table “insured\_patient” are updated.



Values given to “selfPaid\_patient” and “insured\_patients” and both tables are queried and displayed.



Values added to “patient\_age” table.

Query executed successfully. 19 rows.

patient_id	patient_name	birthdate	home_address	email	phone	age	provider_name	card_number	service_provided
17	Jackson Wells	2000-08-02	Atlanta, GA	NULL	404030002	20	Cigna	NULL	NULL
21	Andrew Menzies	1985-01-14	Jonesboro, GA	NULL	470397898	40	Aetna Medicare	NULL	NULL
34	Indie Johnson	2001-10-08	Kennesaw, GA	indie1@outlook.com	470038642	24	NULL	7638 8421 3350	cardy things for toes (2) misters
34	Indie Johnson	2001-10-08	Kennesaw, GA	indie1@outlook.com	470038642	24	NULL	7638 8421 3350	cardy things for toes (2) misters
34	Indie Johnson	2001-10-08	Kennesaw, GA	indie1@outlook.com	470038642	24	NULL	7638 8421 3350	cardy things for toes (2) misters
44	Darrie Reed	1980-01-21	Eden, GA	d.reed45@gmail.com	7708415643	27	Amnegrup Community Care	NULL	cardy thing
44	Darrie Reed	1980-01-21	Eden, GA	d.reed45@gmail.com	7708415643	27	Amnegrup Community Care	NULL	thing for both girls
44	Darrie Reed	1980-01-21	Eden, GA	d.reed45@gmail.com	7708415643	27	Amnegrup Community Care	NULL	not card
57	Jessica Wright	1989-02-25	Statenwsh, GA	NULL	804483266	27	NULL	3478 7434 0356	NULL
57	Jessica Wright	1989-02-25	Statenwsh, GA	NULL	804483266	27	NULL	3478 7434 0356	NULL
57	Jessica Wright	1989-02-25	Statenwsh, GA	NULL	804483266	27	NULL	3478 7434 0356	NULL
82	Andrew Lam	1990-07-26	Rhodes, GA	NULL	4704223175	26	NULL	8534 0506 4897	NULL
82	Andrew Lam	1990-07-26	Rhodes, GA	NULL	4704223175	26	NULL	8534 0506 4897	NULL

“employee” table and the combined “patient” and patient-related tables are queried and displayed.

Query executed successfully. 0 rows.

```

1 SELECT patient_id, patient_name, email
2 FROM patient;
3
4 UPDATE patient;
5 SET email = 'andyp99@outlook.com';
6 WHERE patient_id = 882;
7
8 UPDATE patient;
9 SET email = 'jackson602@gmail.com';
10 WHERE patient_id = 817;
11
12 SELECT patient_name, email, birthdate
13 FROM patient;

```

Two (2) email values added to “patient table”.

The screenshot shows the SQL Server Enterprise Manager interface. The left pane displays the 'Dentistry1' database structure. The central pane shows a SQL query being executed. The bottom pane displays the results of the query, which are organized into two tables. The first table lists patient information, and the second table lists employee information. Both tables include columns for name, email, and birthdate.

```
1 SELECT patient_name, email, birthdate
2
3
4 FROM patient;
5
6
7 SELECT employee_name, email, birthdate
8 FROM employee;
9
10
```

patient_name	email	birthdate
David Brown	dbrown76@gmail.com	1988-04-27
Jackson White	jackw502@gmail.com	2000-08-02
Andrew Morgan	AMOL	1985-01-14
Indie Johnson	indie1@outlook.com	2001-10-08
Diana Reed	dreed45@gmail.com	1980-01-21
Jesus Wright	WRIGHT	1990-02-28
Andrew Lam	and99@outlook.com	1990-07-08

employee_name	email	birthdate
Patel Priti	ppatel@dentistry.com	1978-08-15
James Davis	JDavis@dentistry.com	1987-10-23
Juan Carlos	JCar@dentistry.com	1989-09-29
Armand Abate	aabate@dentistry.com	1979-07-12

Name, email, and birthdate values displayed for all patients and employees.