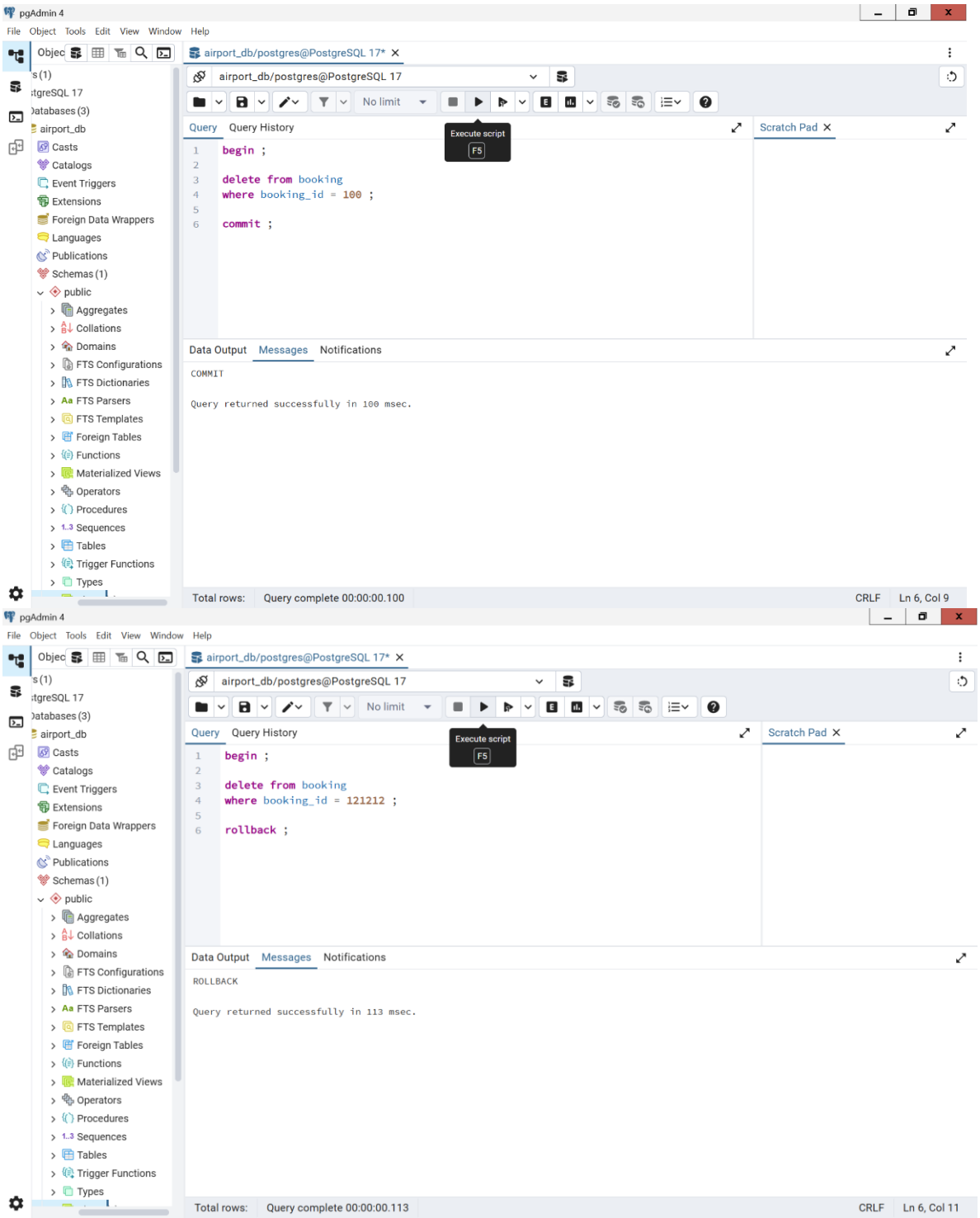
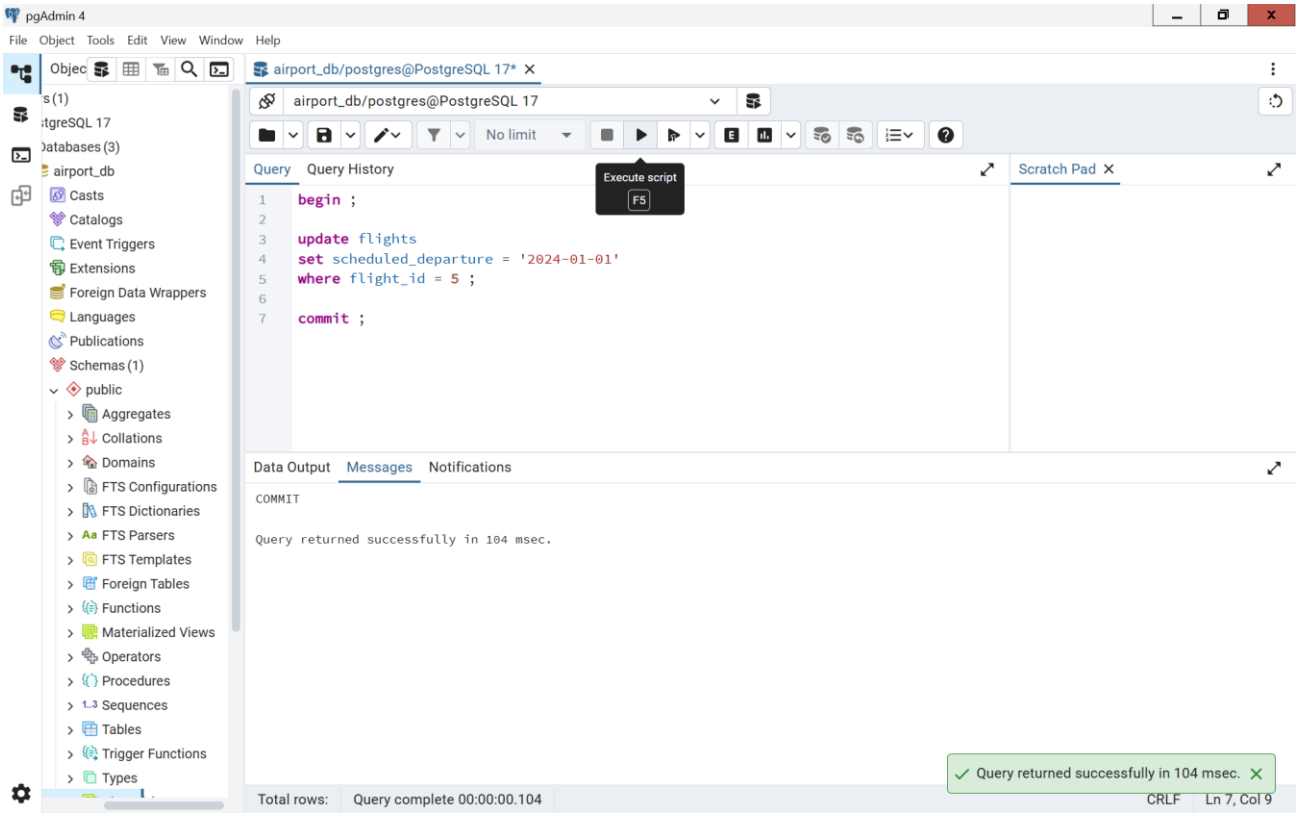
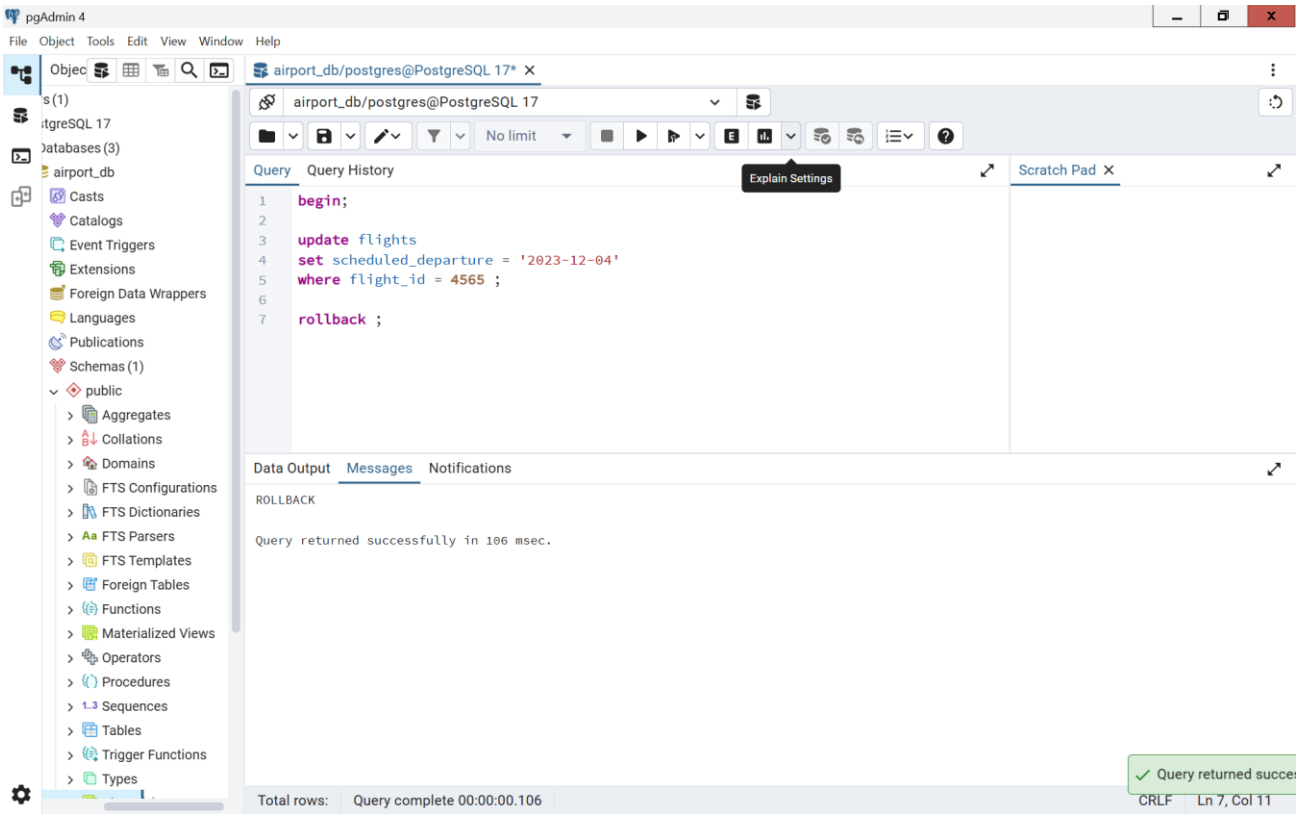
1. A passenger cancels their booking. You need to remove the booking for the flight. Ensure the ‘booking’ table no longer contains the booking. Simulate an error to test rollback (for example, invalid booking_id).

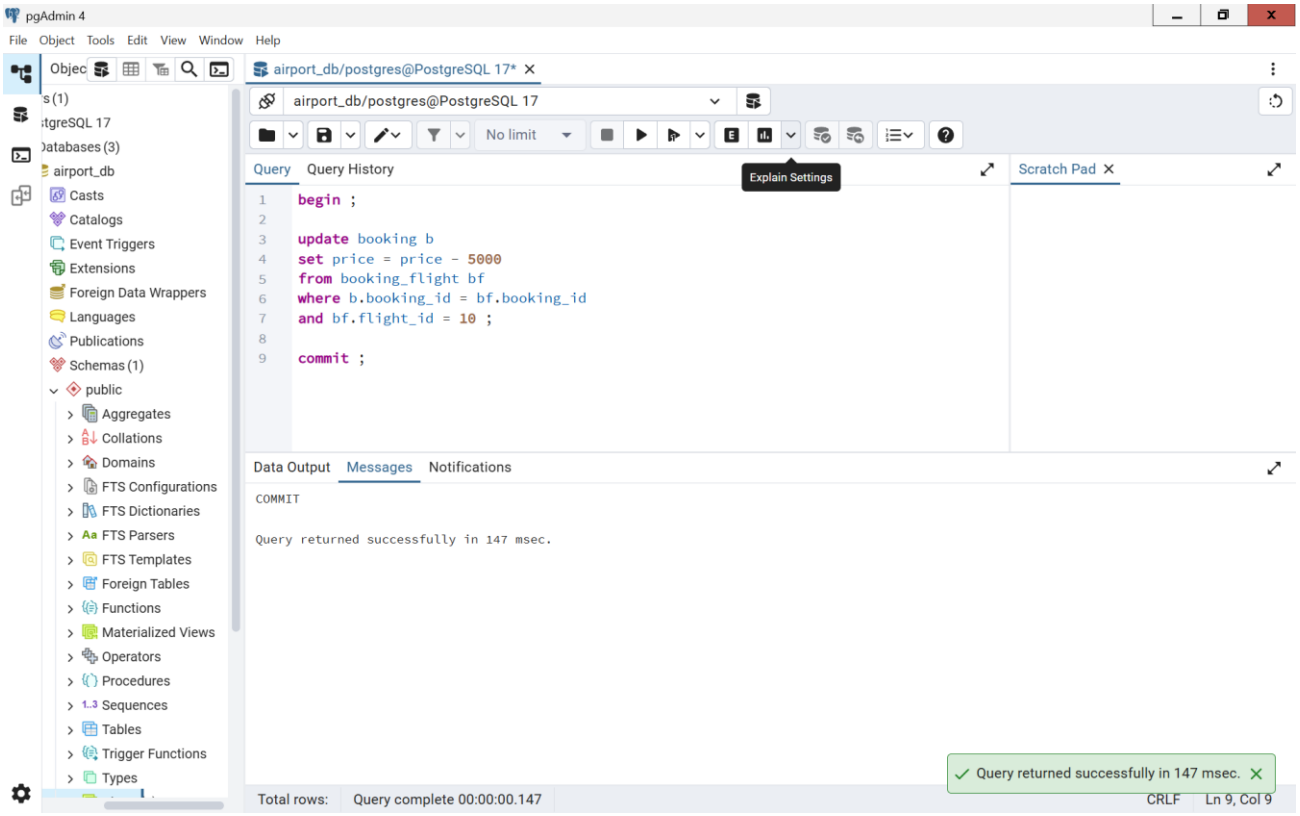


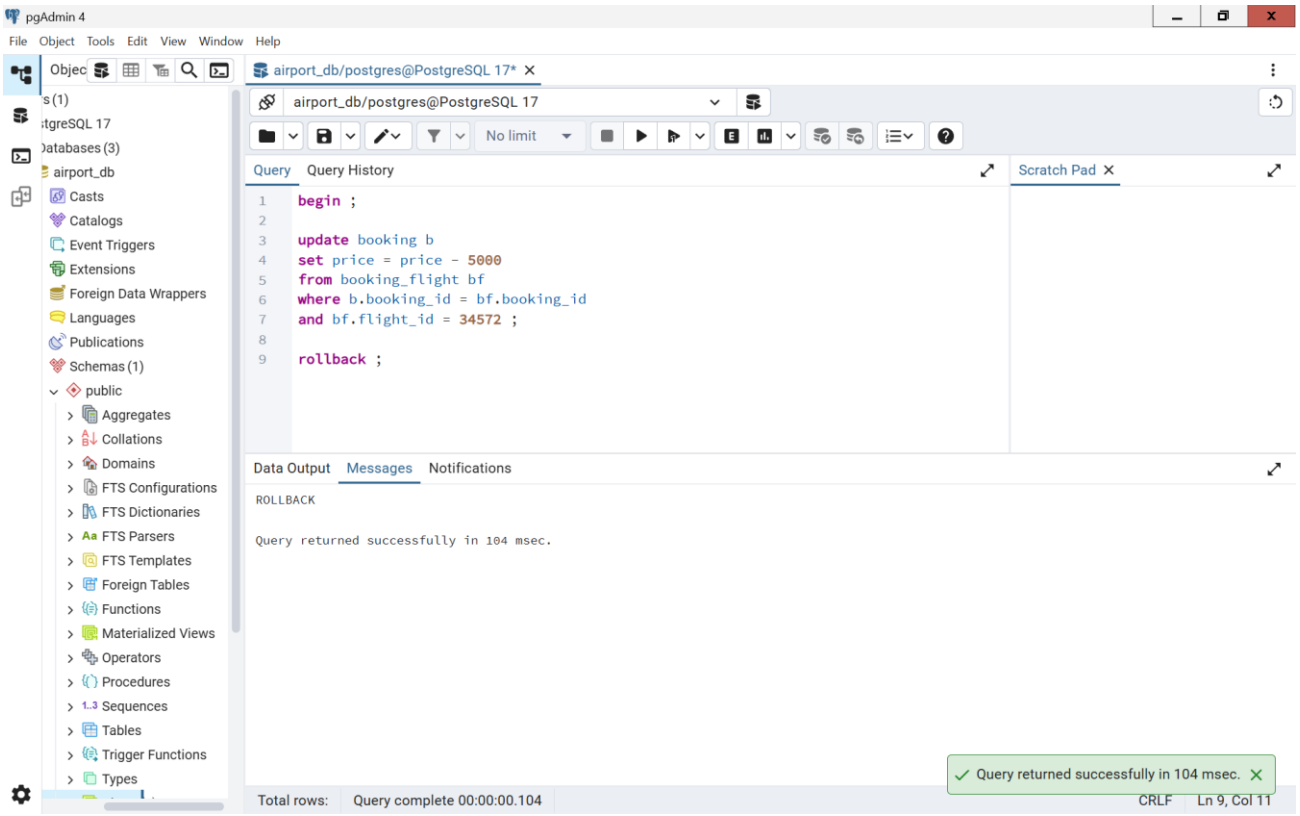
2. Rescheduling a flight. You need to reschedule a flight. Verify the ‘flights’ table reflects the new departure time. Simulate an error to test rollback (for example, invalid flight_id).



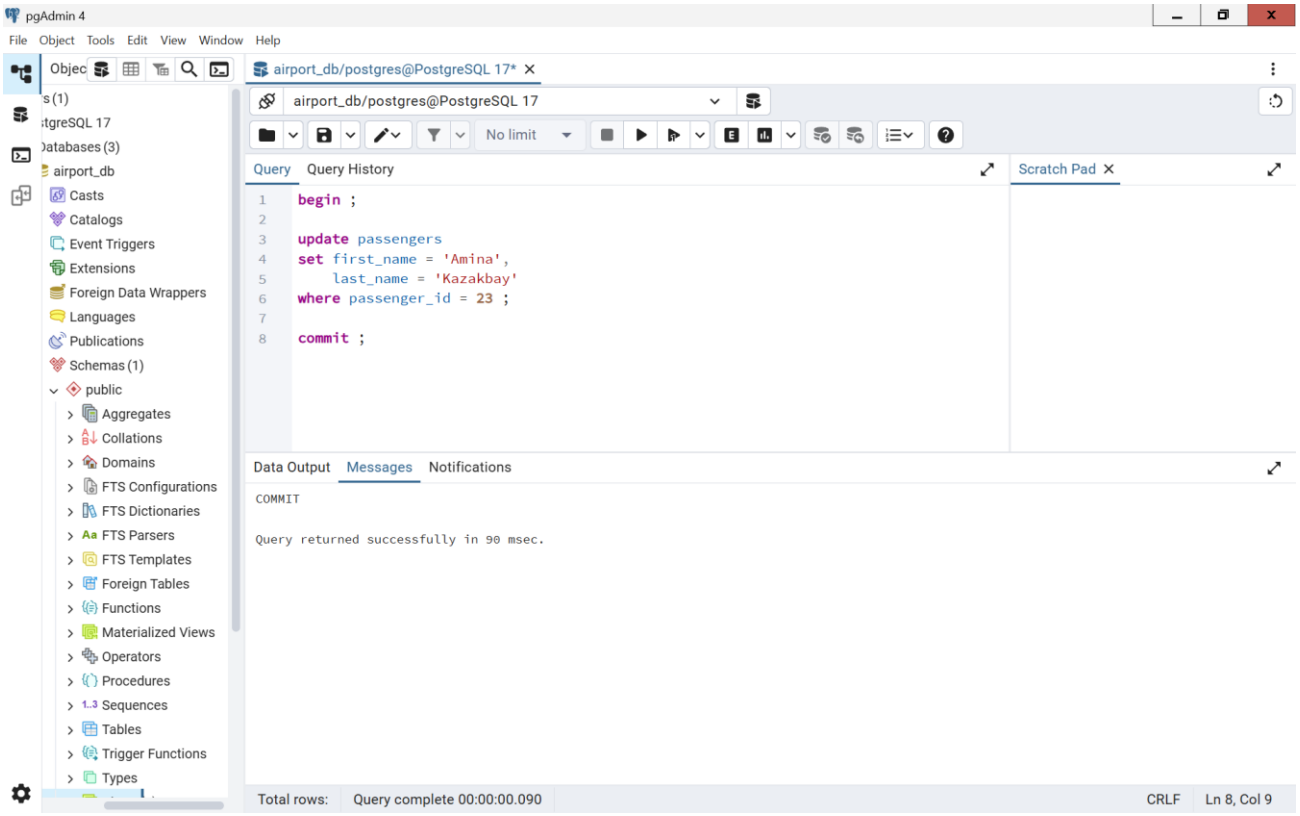


3. Updating ticket prices. You need to decrease the ticket price for a specific flight for all existing bookings. If an error occurs, no changes should be applied.

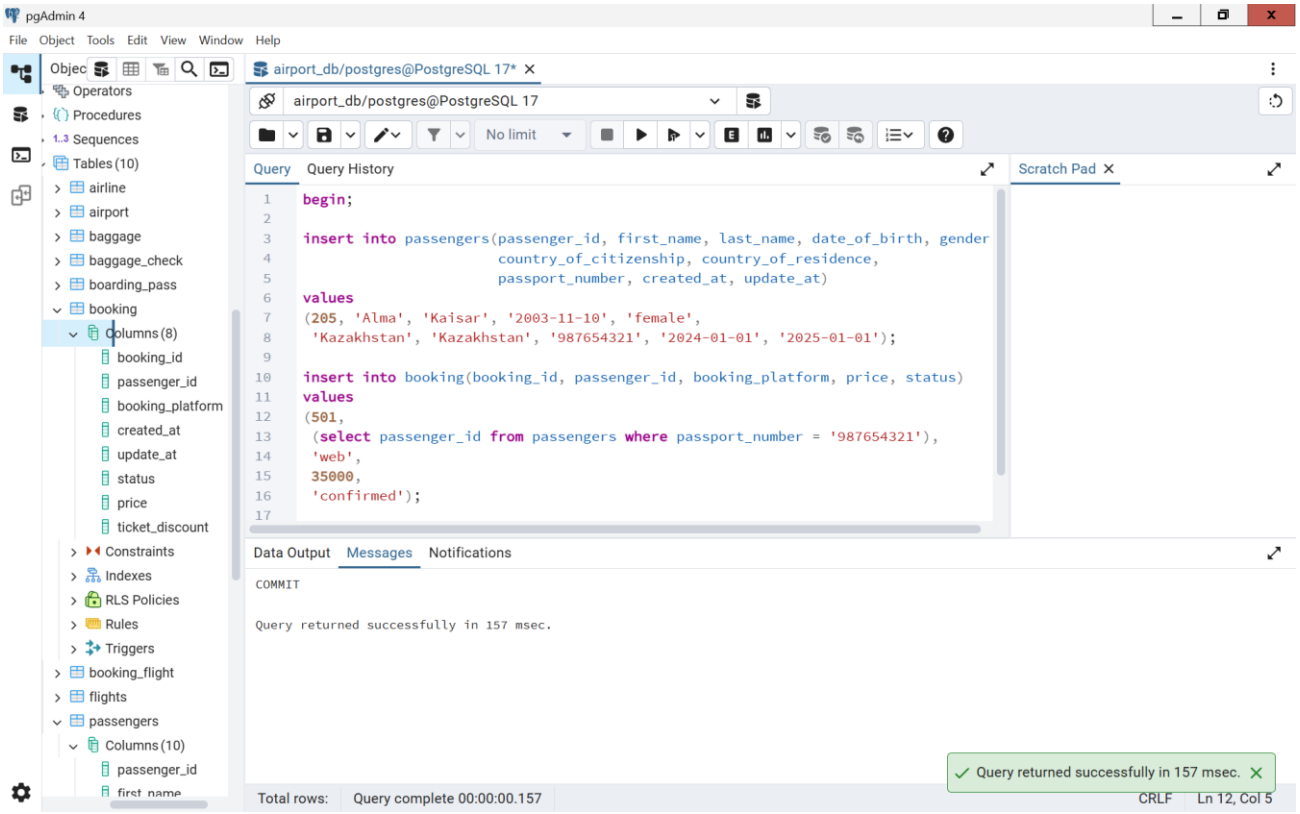




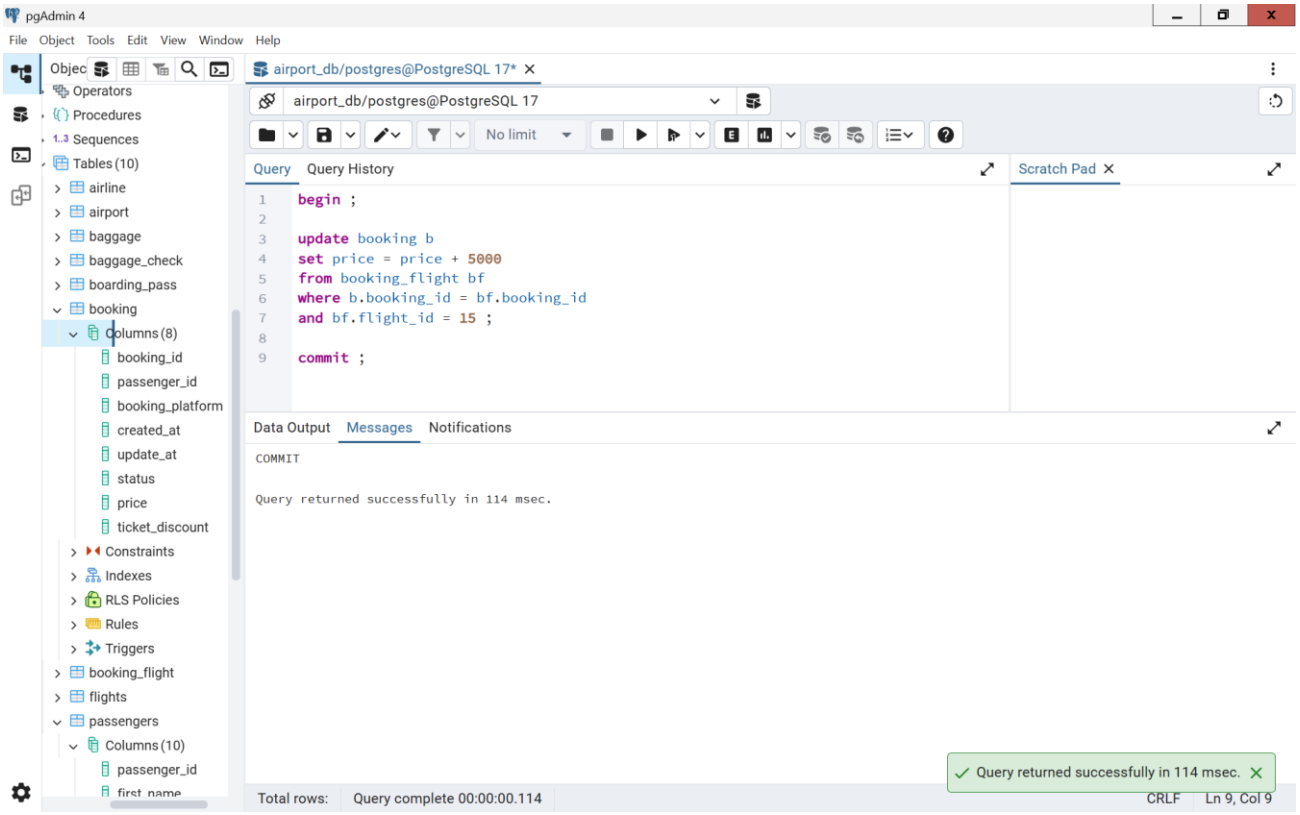
4. A passenger updates their details. Ensure the update is reflected across all associated records, including bookings.



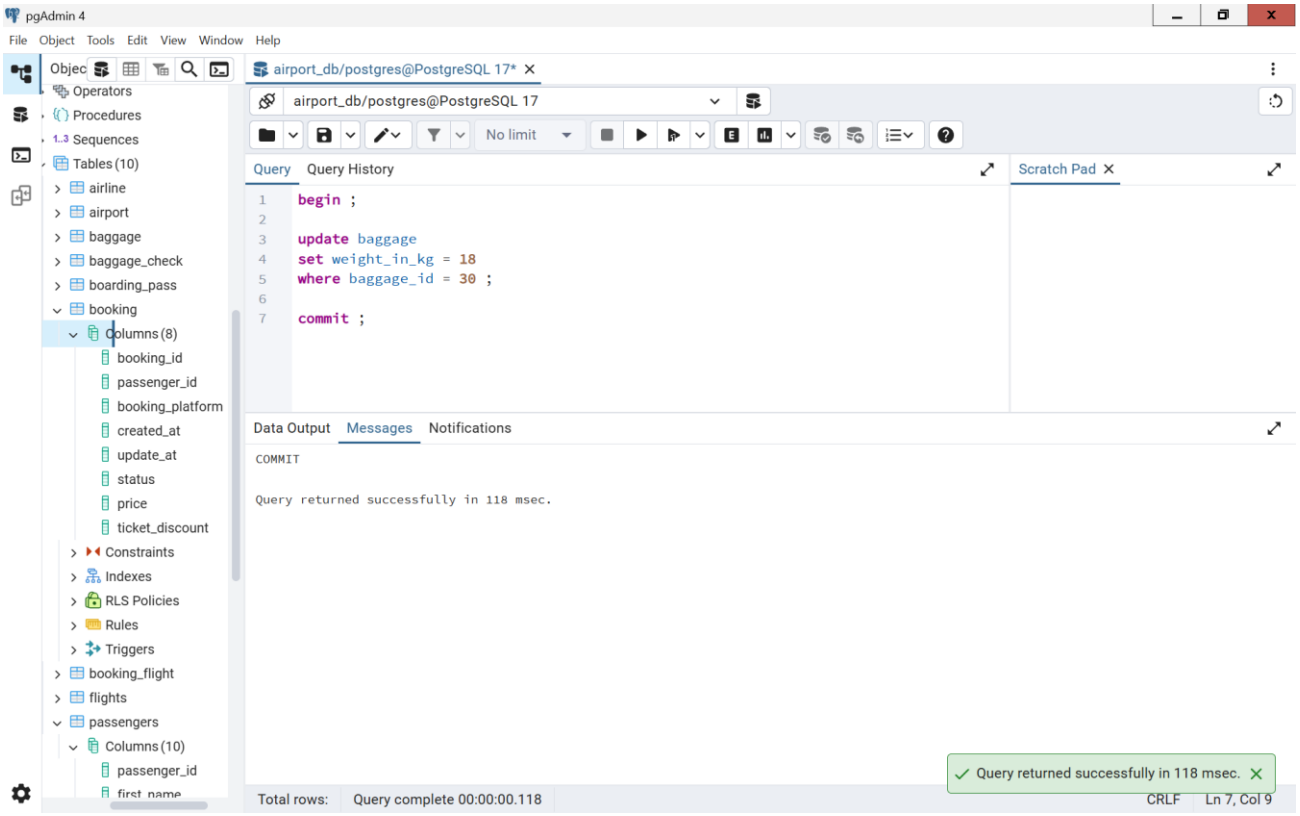
5. A new passenger is registered, and a booking is created. Ensure the new passenger is added and the booking succeeds.



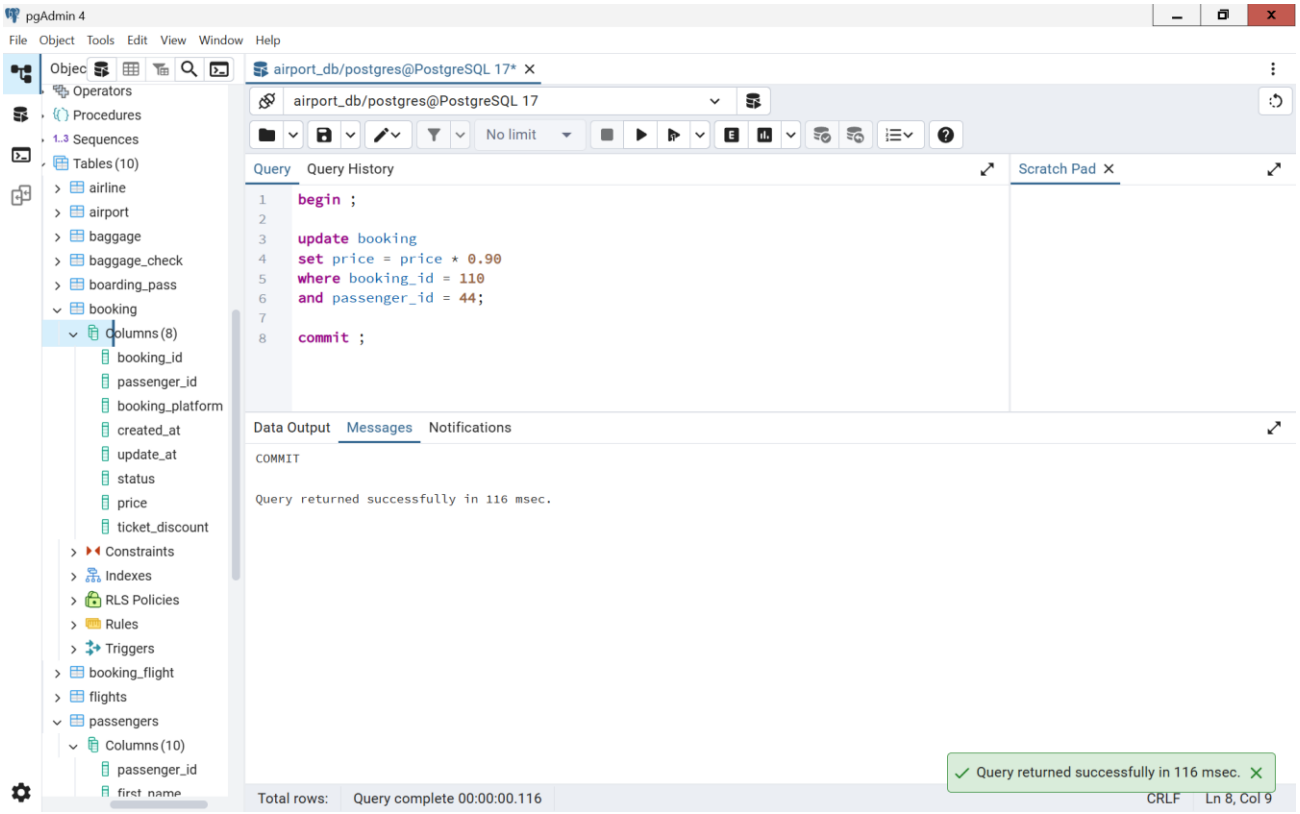
6. Increase the ticket price for all bookings on a specific flight by a fixed amount.

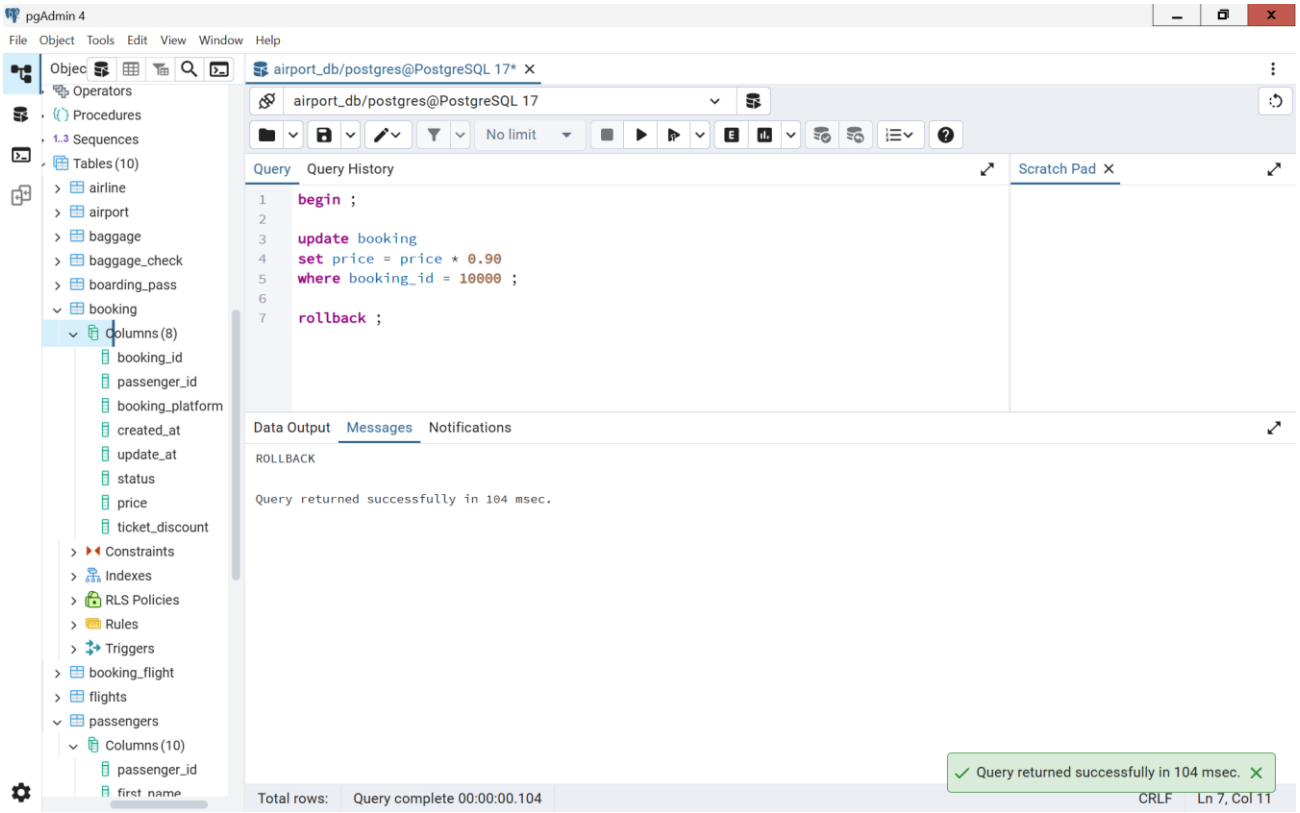


7. Update a baggage weight. A passenger updates the declared weight of their baggage. Ensure that the change is correctly reflected in the database.

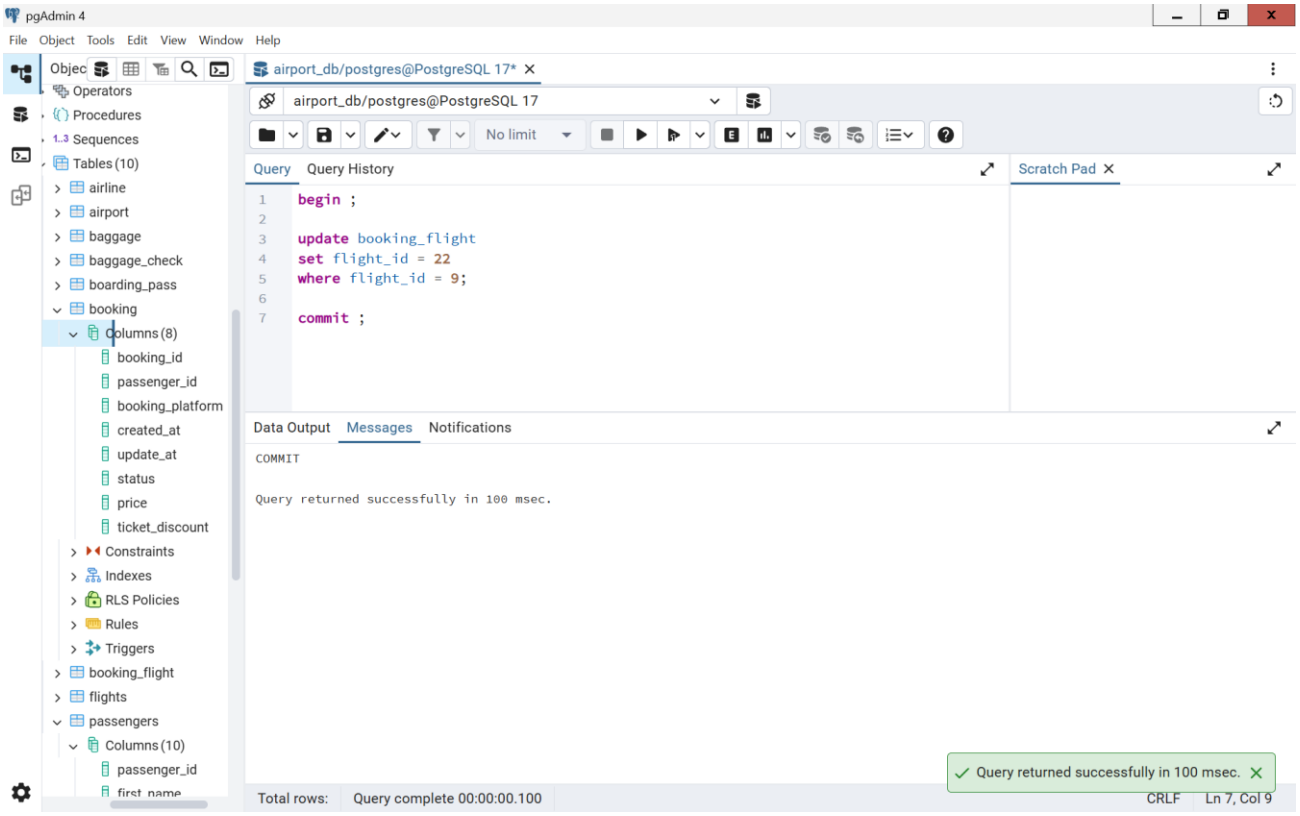


8. Apply a discount to a booking for a specific passenger. If any error occurs, roll back.





9. Reschedule all bookings for a flight to a new flight.


pgAdmin 4
File Object Tools Edit View Window Help
airport_db/postgres@PostgreSQL 17*
airport_db/postgres@PostgreSQL 17
No limit
Query Query History
Scratch Pad
begin ;
update booking_flight
set flight_id = 22
where flight_id = 9;
commit ;
Data Output Messages Notifications
COMMIT
Query returned successfully in 100 msec.
Operators
Procedures
Sequences
Tables (10)
airline
airport
baggage
baggage_check
boarding_pass
booking
Columns (8)
booking_id
passenger_id
booking_platform
created_at
update_at
status
price
ticket_discount
Constraints
Indexes
RLS Policies
Rules
Triggers
booking_flight
flights
passengers
Columns (10)
passenger_id
Query returned successfully in 100 msec.
Total rows:
Query complete 00:00:00.100
CRLF
Ln 7, Col 9