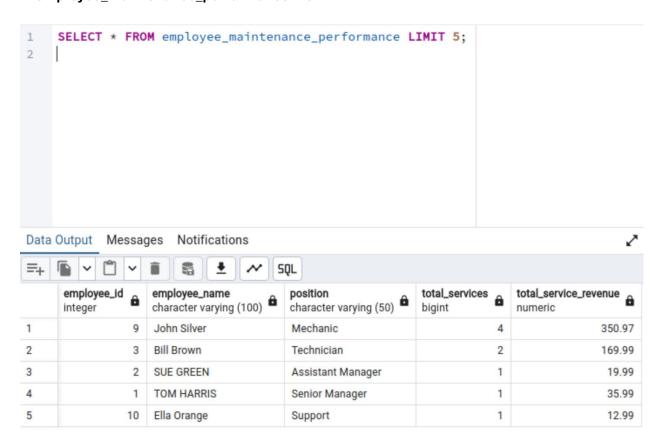
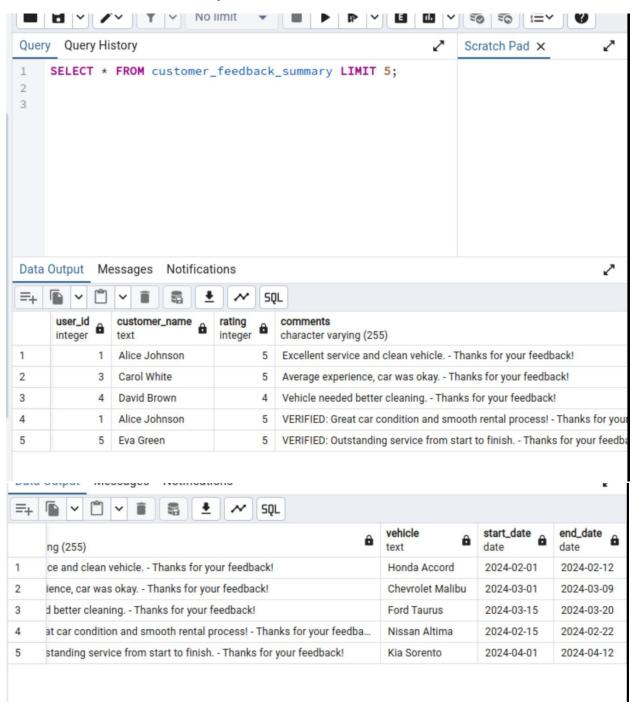


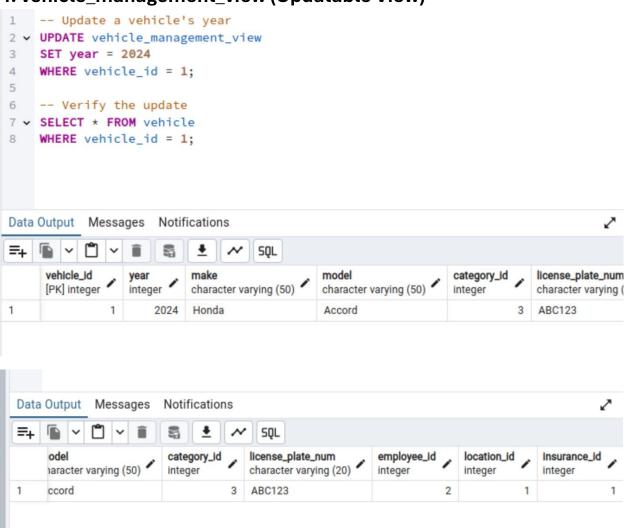
2. employee_maintenance_performance View



3. customer_feedback_summary View

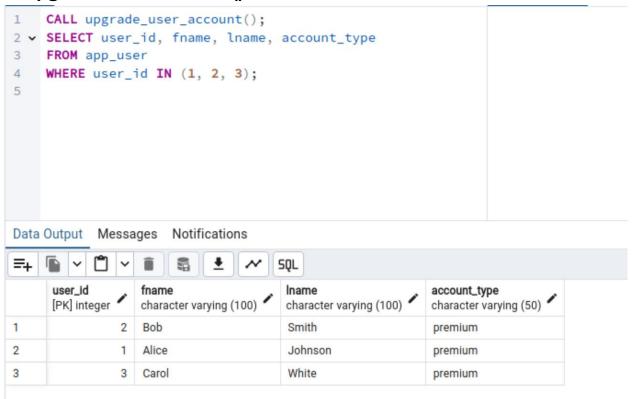


4. vehicle_management_view (Updatable View)

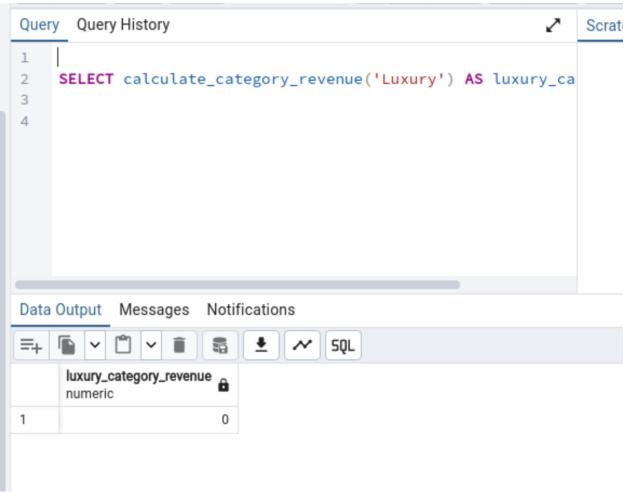


Stored Procedures Examples

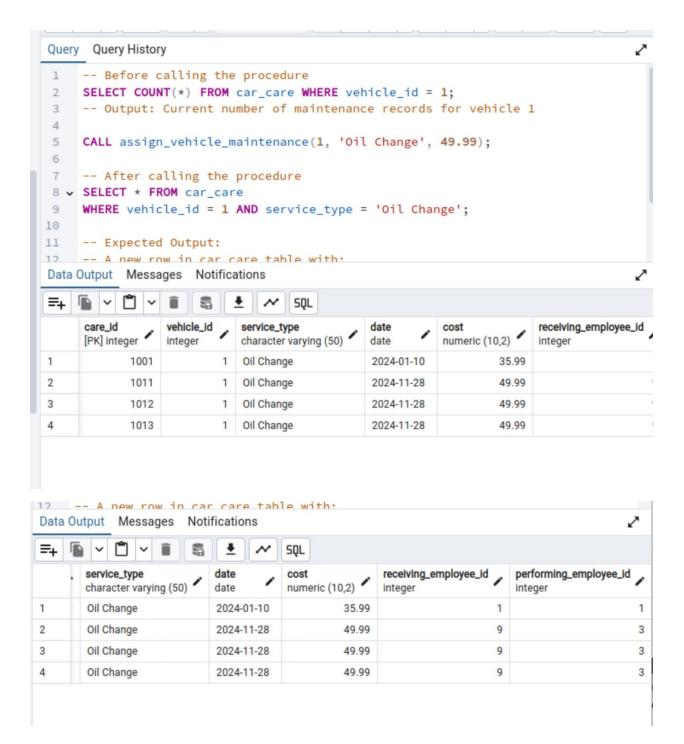
1. upgrade_user_account() Procedure



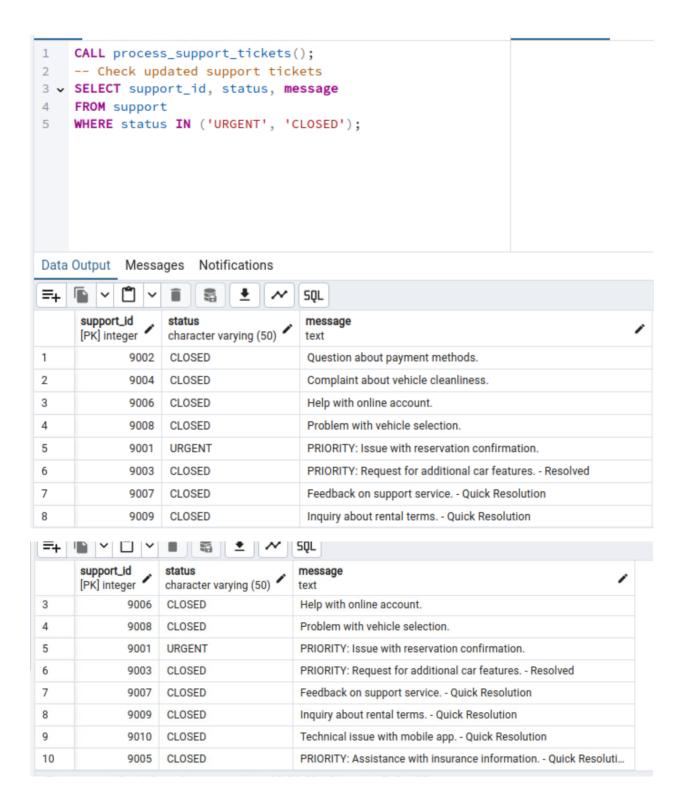
2. calculate_category_revenue() Function



3. assign_vehicle_maintenance() Procedure



4. process_support_tickets() Procedure



4. Triggers

```
C:\Users\lhann\Desktop\Teamproject-4>psql -U postgres -d carrentalsystem
Password for user postgres:
psql (17.0)
WARNING: Console code page (437) differs from Windows code page (1252)
          8-bit characters might not work correctly. See psql reference
          page "Notes for Windows users" for details.
Type "help" for help.
carrentalsystem=# INSERT INTO reservation (reservation_id, user_id, vehicle_id, start_date, en
d_date, total_cost) VALUES (3011, 1, 1, '2024-07-01', '2024-07-05', 250.00);
INSERT 0 1
carrentalsystem=# SELECT * FROM support ORDER BY support_id DESC LIMIT 1;
 support_id | user_id |
                                           message
                                                                           date
                                                                                        status
        9011 |
                     1 | New reservation created for vehicle ID: 1 | 2024-11-27 | AUTO-LOGGED
(1 row)
carrentalsystem=# UPDATE reservation SET total_cost = 300.00 WHERE reservation_id = 3011;
carrentalsystem=# SELECT * FROM support WHERE message LIKE '%Price changed%' ORDER BY support_
id DESC LIMIT 1;
 support_id | user_id |
                                                     message
                                                                                                date
          status
                     1 | Price changed from 250.00 to 300.00 for reservation ID: 3011 | 2024-11
       9012
 -27 | PRICE-CHANGE
(1 row)
carrentalsystem=# DELETE FROM vehicle WHERE vehicle_id = 10;
ERROR: update or delete on table "vehicle" violates foreign key constraint "reservation_vehic
le_id_fkey" on table "reservation"
DETAIL: Key (vehicle_id)=(10) is still referenced from table "reservation".
carrentalsystem=# INSERT INTO reservation (reservation_id, user_id, vehicle_id, start_date, en d_date, total_cost) VALUES (3012, 3, 2, '2024-08-01', '2024-08-05', 200.00); INSERT 0 1
carrentalsystem=# SELECT user_id, account_type FROM app_user WHERE user_id = 3;
 user_id | account_type
       3 | premium
(1 row)
carrentalsystem=#
```