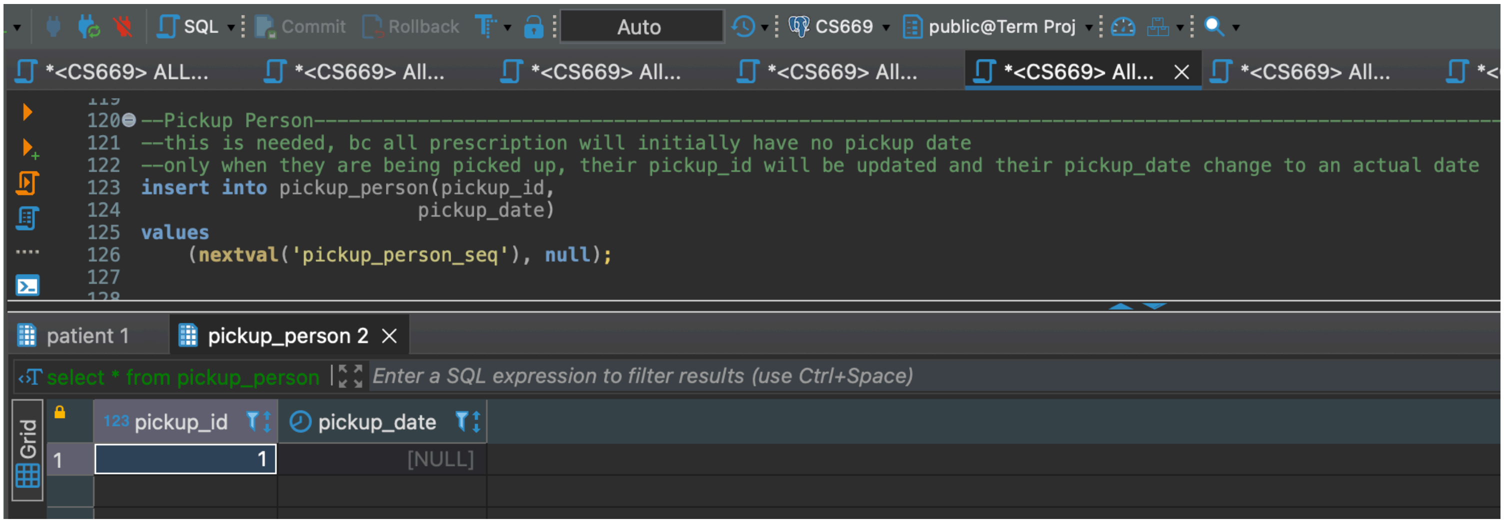
Adding Prescription Stored Procedure

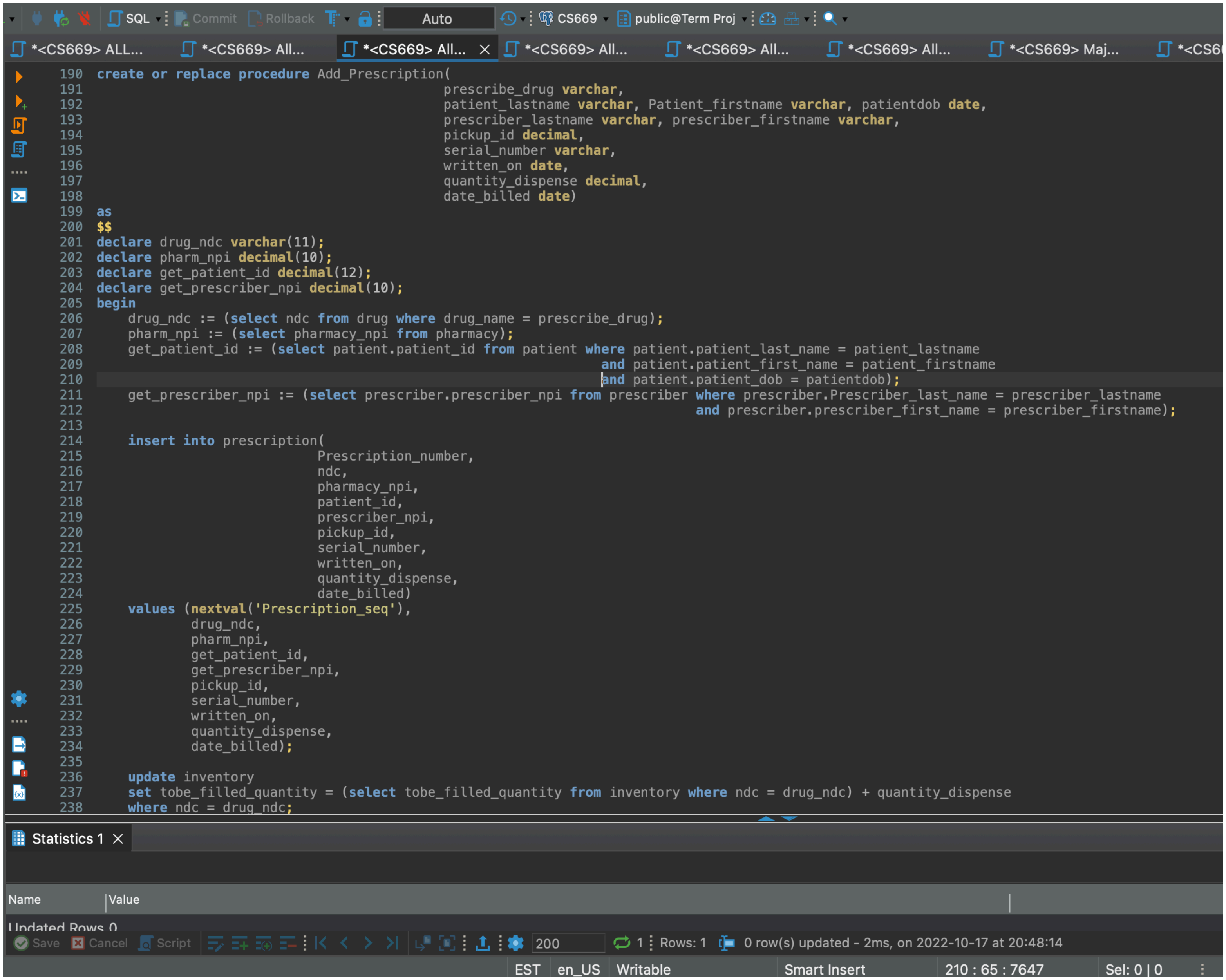


```
--Pickup Person-----------------------------------------------------------------------------------------
--this is needed, bc all prescription will initially have no pickup date
--only when they are being picked up, their pickup_id will be updated and their pickup_date change to an actual date
insert into pickup_person(pickup_id,
                          pickup_date)
values
    (nextval('pickup_person_seq'), null);
```

select * from pickup_person

	pickup_id	pickup_date
1	1	[NULL]

Before executing the Add_Prescription() procedure, a default pickup_id is inserted into the pickup_person table. This pickup is to indicate that the prescription is not picked up, because the pickup date will be null.



```
create or replace procedure Add_Prescription(
                                            prescribe_drug varchar,
                                            patient_lastname varchar, Patient_firstname varchar, patientdob date,
                                            prescriber_lastname varchar, prescriber_firstname varchar,
                                            pickup_id decimal,
                                            serial_number varchar,
                                            written_on date,
                                            quantity_dispense decimal,
                                            date_billed date)
as
$$
declare drug_ndc varchar(11);
declare pharm_npi decimal(10);
declare get_patient_id decimal(12);
declare get_prescriber_npi decimal(10);
begin
    drug_ndc := (select ndc from drug where drug_name = prescribe_drug);
    pharm_npi := (select pharmacy_npi from pharmacy);
    get_patient_id := (select patient.patient_id from patient where patient.patient_last_name = patient_lastname
                                                                and patient.patient_first_name = patient_firstname
                                                                and patient.patient_dob = patientdob);
    get_prescriber_npi := (select prescriber.prescriber_npi from prescriber where prescriber.Prescriber_last_name = prescriber_lastname
                                                                            and prescriber.prescriber_first_name = prescriber_firstname);

    insert into prescription(
                            Prescription_number,
                            ndc,
                            pharmacy_npi,
                            patient_id,
                            prescriber_npi,
                            pickup_id,
                            serial_number,
                            written_on,
                            quantity_dispense,
                            date_billed)
    values (nextval('Prescription_seq'),
            drug_ndc,
            pharm_npi,
            get_patient_id,
            get_prescriber_npi,
            pickup_id,
            serial_number,
            written_on,
            quantity_dispense,
            date_billed);

    update inventory
    set tobe_filled_quantity = (select tobe_filled_quantity from inventory where ndc = drug_ndc) + quantity_dispense
    where ndc = drug_ndc;
```

Name	Value
Updated Rows 0	

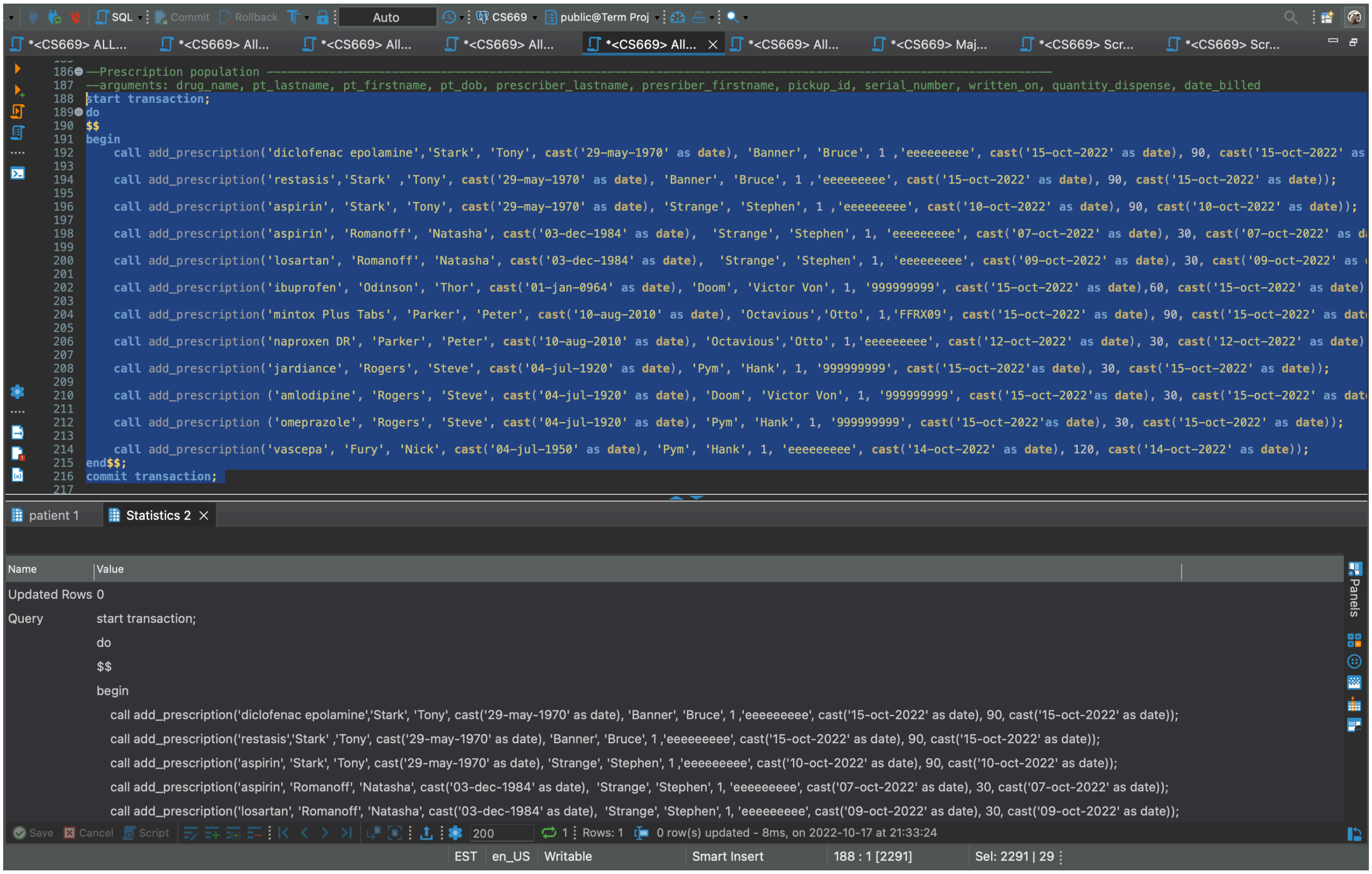
0 row(s) updated - 2ms, on 2022-10-17 at 20:48:14

This stored procedure is for adding prescription data into the prescription table. The stored procedure takes the drug's name, patient's information (last name, first name, and date of birth), prescriber's first and last name, pickup_id, prescription serial number, written_on date, drug quantity, and the date that it was billed.

To make the query shorter, there are a few variables that are declared in this query. Variable drug_ndc returns the drug ndc from the drug table given the drug name argument. Variable get_patient_id returns the patient _id from the patient table given the arguments last name, first name, and date of birth. Variable get_prescriber_npi returns the prescriber npi from the prescriber table given the argument prescriber last name and first name.

The stored procedure inserts prescription_number, ndc, pharmacy_npi, patient_id, prescriber_npi, pickup_id, serial_number, written_on, quantity_dispense, and date billed into the prescription table. The prescription_number will be from the 'prescription_seq' sequence. Ndc, patient_id, and prescriber_id are all from the variables declared earlier. Pickup_id, serial_number, written_on, quantity_dispense, and date_billed are all from the respective arguments.

The stored procedure also updates the inventory and sets the tobe_filled_quantity to the sum of the previous tobe_filled_quantity with the current prescription's quantity_dispense argument given the corresponding ndc. This is to track that an added prescription is to be filled.



```
--Prescription population -----------------------------------------------------------------------------------------------------------
--arguments: drug_name, pt_lastname, pt_firstname, pt_dob, prescriber_lastname, presriber_firstname, pickup_id, serial_number, written_on, quantity_dispense, date_billed
start transaction;
do
$$
begin
    call add_prescription('diclofenac epolamine','Stark', 'Tony', cast('29-may-1970' as date), 'Banner', 'Bruce', 1 ,'eeeeeeeee', cast('15-oct-2022' as date), 90, cast('15-oct-2022' as

    call add_prescription('restasis','Stark' ,'Tony', cast('29-may-1970' as date), 'Banner', 'Bruce', 1 ,'eeeeeeeee', cast('15-oct-2022' as date), 90, cast('15-oct-2022' as date));

    call add_prescription('aspirin', 'Stark', 'Tony', cast('29-may-1970' as date), 'Strange', 'Stephen', 1 ,'eeeeeeeee', cast('10-oct-2022' as date), 90, cast('10-oct-2022' as date));

    call add_prescription('aspirin', 'Romanoff', 'Natasha', cast('03-dec-1984' as date),  'Strange', 'Stephen', 1, 'eeeeeeeee', cast('07-oct-2022' as date), 30, cast('07-oct-2022' as da

    call add_prescription('losartan', 'Romanoff', 'Natasha', cast('03-dec-1984' as date),  'Strange', 'Stephen', 1, 'eeeeeeeee', cast('09-oct-2022' as date), 30, cast('09-oct-2022' as 

    call add_prescription('ibuprofen', 'Odinson', 'Thor', cast('01-jan-0964' as date), 'Doom', 'Victor Von', 1, '999999999', cast('15-oct-2022' as date),60, cast('15-oct-2022' as date)

    call add_prescription('mintox Plus Tabs', 'Parker', 'Peter', cast('10-aug-2010' as date), 'Octavious','Otto', 1,'FFRX09', cast('15-oct-2022' as date), 90, cast('15-oct-2022' as dat

    call add_prescription('naproxen DR', 'Parker', 'Peter', cast('10-aug-2010' as date), 'Octavious','Otto', 1,'eeeeeeeee', cast('12-oct-2022' as date), 30, cast('12-oct-2022' as date)

    call add_prescription('jardiance', 'Rogers', 'Steve', cast('04-jul-1920' as date), 'Pym', 'Hank', 1, '999999999', cast('15-oct-2022'as date), 30, cast('15-oct-2022' as date));

    call add_prescription ('amlodipine', 'Rogers', 'Steve', cast('04-jul-1920' as date), 'Doom', 'Victor Von', 1, '999999999', cast('15-oct-2022'as date), 30, cast('15-oct-2022' as dat

    call add_prescription ('omeprazole', 'Rogers', 'Steve', cast('04-jul-1920' as date), 'Pym', 'Hank', 1, '999999999', cast('15-oct-2022'as date), 30, cast('15-oct-2022' as date));

    call add_prescription('vascepa', 'Fury', 'Nick', cast('04-jul-1950' as date), 'Pym', 'Hank', 1, 'eeeeeeeee', cast('14-oct-2022' as date), 120, cast('14-oct-2022' as date));
end$$;
commit transaction;
```

Name	Value
Updated Rows	0

Query	start transaction;
	do
	$$
	begin
	call add_prescription('diclofenac epolamine','Stark', 'Tony', cast('29-may-1970' as date), 'Banner', 'Bruce', 1 ,'eeeeeeeee', cast('15-oct-2022' as date), 90, cast('15-oct-2022' as date));
	call add_prescription('restasis','Stark' ,'Tony', cast('29-may-1970' as date), 'Banner', 'Bruce', 1 ,'eeeeeeeee', cast('15-oct-2022' as date), 90, cast('15-oct-2022' as date));
	call add_prescription('aspirin', 'Stark', 'Tony', cast('29-may-1970' as date), 'Strange', 'Stephen', 1 ,'eeeeeeeee', cast('10-oct-2022' as date), 90, cast('10-oct-2022' as date));
	call add_prescription('aspirin', 'Romanoff', 'Natasha', cast('03-dec-1984' as date), 'Strange', 'Stephen', 1, 'eeeeeeeee', cast('07-oct-2022' as date), 30, cast('07-oct-2022' as date));
	call add_prescription('losartan', 'Romanoff', 'Natasha', cast('03-dec-1984' as date), 'Strange', 'Stephen', 1, 'eeeeeeeee', cast('09-oct-2022' as date), 30, cast('09-oct-2022' as date));

```
Save  Cancel  Script   200   1  Rows: 1   0 row(s) updated - 8ms, on 2022-10-17 at 21:33:24
EST   en_US   Writable   Smart Insert   188 : 1 [2291]   Sel: 2291 | 29
```