

### Adding Prescriber, Drug, Inventory Stored Procedures

These 3 stored procedures are very similar, they take the necessary arguments and inserts themselves into their respective table columns.

#### Prescriber Stored Procedure

The stored procedure takes the prescriber's NPI, last name, and first name as arguments.

The screenshot shows a database IDE with a SQL editor and a Statistics window. The SQL editor contains the following code:

```
88 --Prescriber Procedure Creation-----
89 --Procedure for inserting into Prescriber table
90 create or replace procedure Add_Prescriber(Prescriber_npi decimal,
91                                           Prescriber_first_name varchar,
92                                           Prescriber_last_name varchar)
93 as
94 $$
95 begin
96     insert into Prescriber(Prescriber_npi, Prescriber_first_name, Prescriber_last_name)
97     values (Prescriber_npi, Prescriber_first_name, Prescriber_last_name);
98 end;
99 $$ language plpgsql;
```

The Statistics window shows the following information:

Name	Value
Updated Rows	0
Query	create or replace procedure Add_Prescriber(Prescriber_npi decimal, Prescriber_first_name varchar, Prescriber_last_name varchar)  as \$\$ begin insert into Prescriber(Prescriber_npi, Prescriber_first_name, Prescriber_last_name) values (Prescriber_npi, Prescriber_first_name, Prescriber_last_name); end; \$\$ language plpgsql
Finish time	Mon Oct 17 11:35:52 EDT 2022

SQL

Commit

Rollback

Auto

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39

--Prescriber Table population-----

40

--prescriber table: prescriber npi, last\_name, first\_name

41

start transaction;

42

do

43

\$\$

44

begin

45

call add\_prescriber (1756895643, 'Otto', 'Octavious');

46

call add\_prescriber (1896547326, 'Stephen', 'Strange');

47

call add\_prescriber (1846598326, 'Bruce', 'Banner');

48

call add\_prescriber (1978654235, 'Victor Von', 'Doom');

49

call add\_prescriber (1764395862, 'Hank', 'Pym');

50

end\$\$;

51

commit transaction;

52

53

54

55

56

57

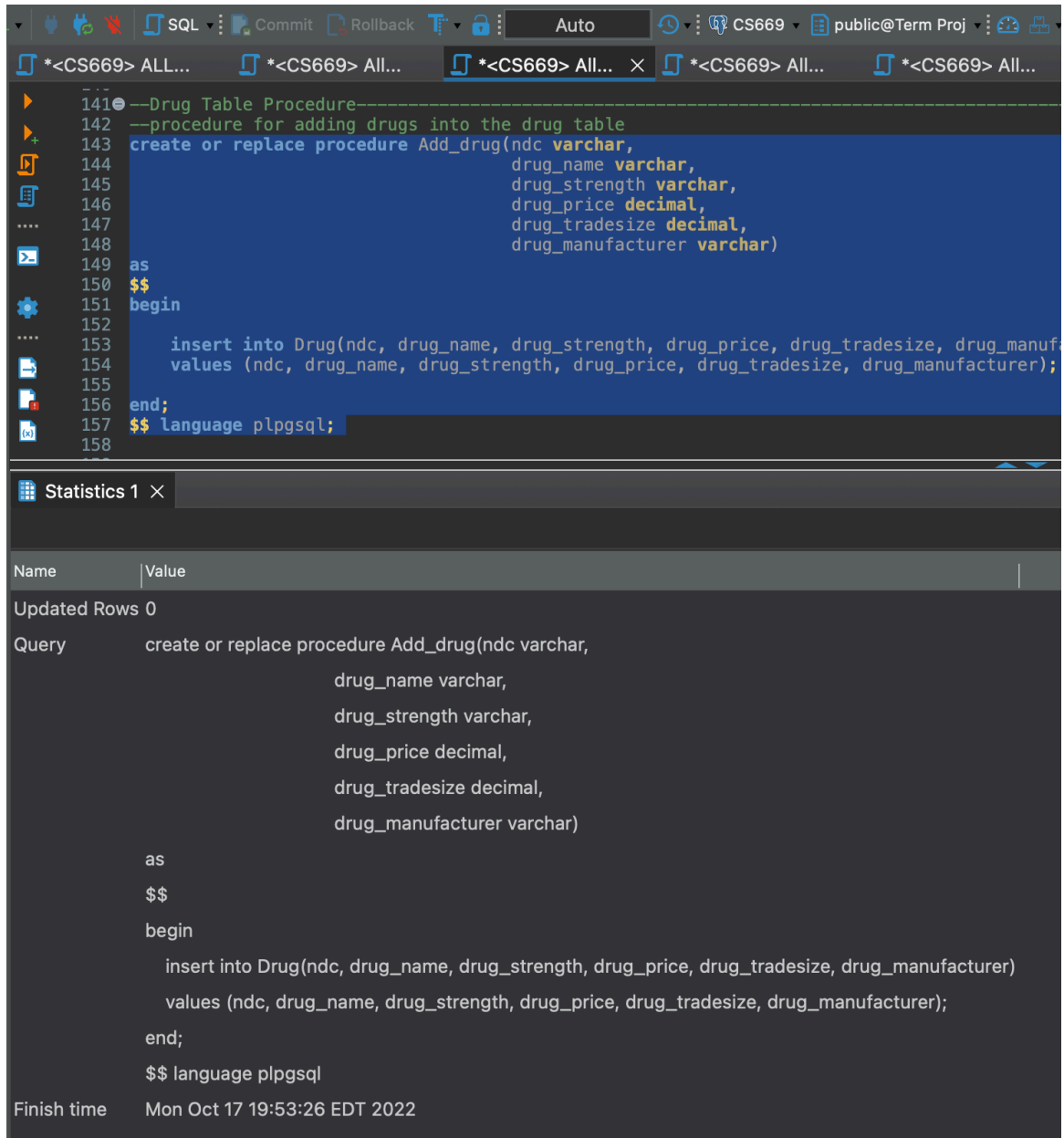
patient 1

Statistics 2

Name	Value
Updated Rows 0	
Query	start transaction; do \$\$ begin call add_prescriber (1756895643, 'Otto', 'Octavious'); call add_prescriber (1896547326, 'Stephen', 'Strange'); call add_prescriber (1846598326, 'Bruce', 'Banner'); call add_prescriber (1978654235, 'Victor Von', 'Doom'); call add_prescriber (1764395862, 'Hank', 'Pym'); end\$\$; commit transaction
Finish time	Mon Oct 17 19:40:19 EDT 2022

## Drug stored procedure

The stored procedure takes the drug's ndc, drug name, drug strength, drug price, the trade size or package size per price, and the manufacturer as arguments.



```
141 --Drug Table Procedure-----
142 --procedure for adding drugs into the drug table
143 create or replace procedure Add_drug(ndc varchar,
144                                     drug_name varchar,
145                                     drug_strength varchar,
146                                     drug_price decimal,
147                                     drug_tradesize decimal,
148                                     drug_manufacturer varchar)
149 as
150 $$
151 begin
152
153     insert into Drug(ndc, drug_name, drug_strength, drug_price, drug_tradesize, drug_manufacturer)
154     values (ndc, drug_name, drug_strength, drug_price, drug_tradesize, drug_manufacturer);
155
156 end;
157 $$ language plpgsql;
158
```

Name	Value
Updated Rows	0
Query	create or replace procedure Add_drug(ndc varchar, drug_name varchar, drug_strength varchar, drug_price decimal, drug_tradesize decimal, drug_manufacturer varchar)  as  \$\$  begin insert into Drug(ndc, drug_name, drug_strength, drug_price, drug_tradesize, drug_manufacturer) values (ndc, drug_name, drug_strength, drug_price, drug_tradesize, drug_manufacturer);  end;  \$\$ language plpgsql
Finish time	Mon Oct 17 19:53:26 EDT 2022

SQL

Commit

Rollback

Auto

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85

--DRUG TABLE POPULATION -----

86

--arguments: ndc, drug\_name, drug\_strength, drug\_price, drug\_tradesize, manufactuer

87

start transaction;

88

do

89

\$\$

90

begin

91

call add\_drug('18462039730', 'omeprazole', '40mg', 2.36, 30, 'Glenmark');

92

call add\_drug('10536123441', 'aspirin', '81mg', 1.76, 120, 'Rubgy');

93

call add\_drug('05970152370', 'jardiance', '25mg', 678, 30, 'Boehringer');

94

call add\_drug('05723720490', 'losartan', '50mg', 7.65, 90, 'Rising Health');

95

call add\_drug('00093322555', 'diclofenac epolamine', '3%', 123.39, 30, 'Teva');

96

call add\_drug('82607660270', 'amlodipine', '10mg', 5.68, 30, 'Apotex');

97

call add\_drug('09004670060', 'mintox Plus Tabs', '200mg-200mg-25mg', 7.56, 100, 'Major');

98

call add\_drug('59899756510', 'ibuprofen', '600mg', 8.79, 500, 'Leaders');

99

call add\_drug('56379204750', 'restasis', '0.05%', 435, 60, 'Allergan');

100

call add\_drug('69097085107', 'naproxen DR', '375mg', 137.99, 100, 'Cipla');

101

call add\_drug('52937000120', 'vascepa', '1GM', 414.14, 120, 'Amarin');

102

end\$\$;

103

commit transaction;

104

105

106

107

108

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113

114

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patient 1

Statistics 2 X

Name

Value

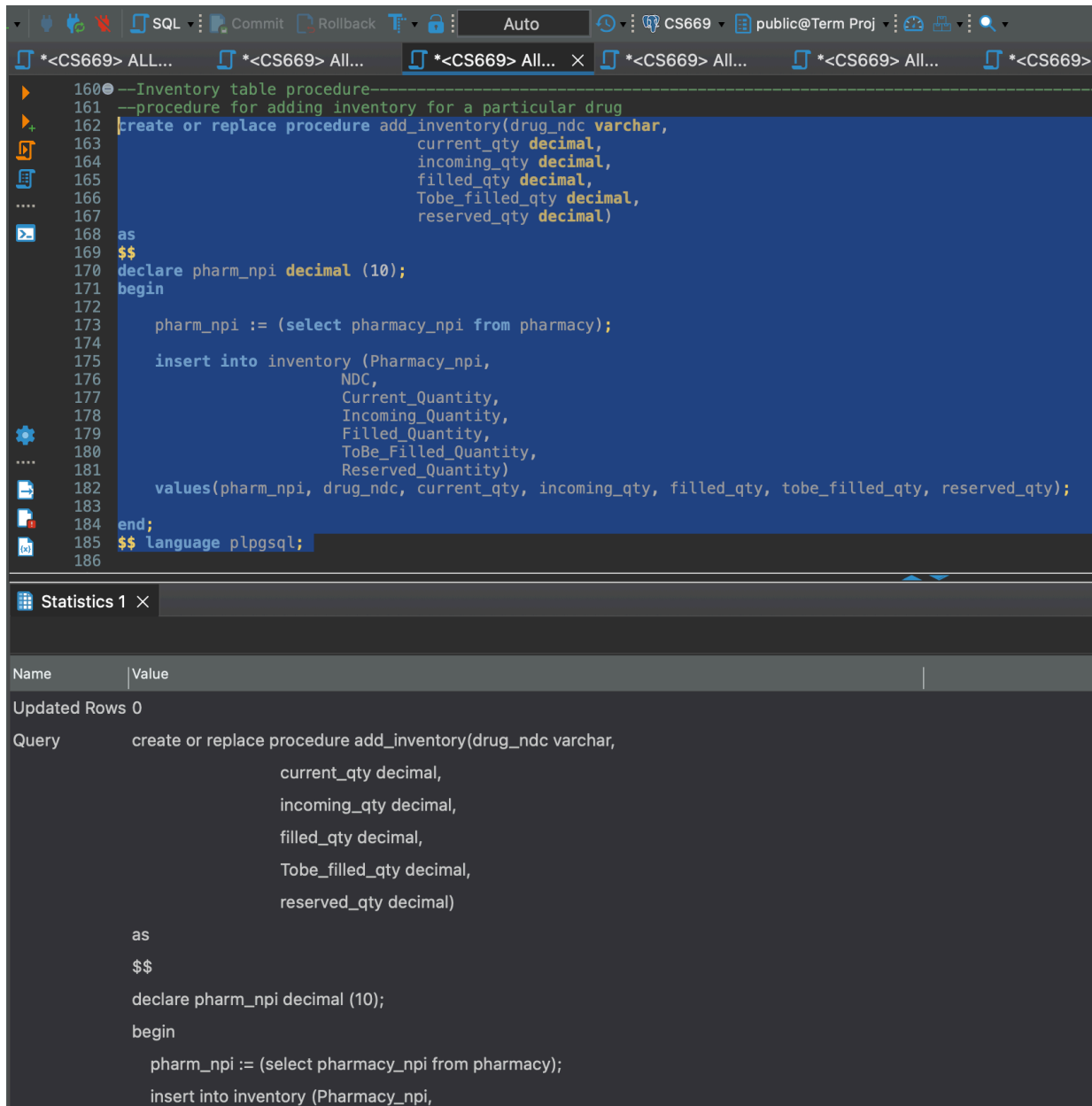
Updated Rows 0

Query

start transaction;  
do  
\$\$  
begin  
call add\_drug('18462039730', 'omeprazole', '40mg', 2.36, 30, 'Glenmark');  
call add\_drug('10536123441', 'aspirin', '81mg', 1.76, 120, 'Rubgy');  
call add\_drug('05970152370', 'jardiance', '25mg', 678, 30, 'Boehringer');  
call add\_drug('05723720490', 'losartan', '50mg', 7.65, 90, 'Rising Health');  
call add\_drug('00093322555', 'diclofenac epolamine', '3%', 123.39, 30, 'Teva');  
call add\_drug('82607660270', 'amlodipine', '10mg', 5.68, 30, 'Apotex');

## Inventory stored procedure

The stored procedure takes the drug's ndc, the current available quantity, any incoming quantity, any filled quantity, any to be filled quantity, and the reserved quantity as arguments.



```
160 --Inventory table procedure--
161 --procedure for adding inventory for a particular drug
162 create or replace procedure add_inventory(drug_ndc varchar,
163     current_qty decimal,
164     incoming_qty decimal,
165     filled_qty decimal,
166     ToBe_filled_qty decimal,
167     reserved_qty decimal)
168 as
169 $$
170 declare pharm_npi decimal (10);
171 begin
172     pharm_npi := (select pharmacy_npi from pharmacy);
173     insert into inventory (Pharmacy_npi,
174         NDC,
175         Current_Quantity,
176         Incoming_Quantity,
177         Filled_Quantity,
178         ToBe_Filled_Quantity,
179         Reserved_Quantity)
180     values(pharm_npi, drug_ndc, current_qty, incoming_qty, filled_qty, tobe_filled_qty, reserved_qty);
181 end;
182 $$ language plpgsql;
```

Statistics 1

Name	Value
Updated Rows 0	
Query	create or replace procedure add_inventory(drug_ndc varchar, current_qty decimal, incoming_qty decimal, filled_qty decimal, ToBe_filled_qty decimal, reserved_qty decimal)  as  \$\$  declare pharm_npi decimal (10);  begin  pharm_npi := (select pharmacy_npi from pharmacy);  insert into inventory (Pharmacy_npi,

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148--INVENTORY TABLE POPULATION--  
149--argument: ndc, current\_qty, incoming\_qty, filled\_qty, tobe\_filled\_qty, reserved\_qty  
150start transaction;  
151do  
152\$\$  
153begin  
154call add\_inventory('18462039730', 300, 0, 0, 0, 100);  
155  
156call add\_inventory('10536123441', 500, 0, 0, 0, 100);  
157  
158call add\_inventory('05970152370', 0, 0, 0, 0, 30);  
159  
160call add\_inventory('05723720490', 300, 0, 0, 0, 100);  
161  
162call add\_inventory('00093322555', 30, 0, 0, 0, 30);  
163  
164call add\_inventory('82607660270', 500, 0, 0, 0, 100);  
165  
166call add\_inventory('09004670060', 300, 0, 0, 0, 100);  
167  
168call add\_inventory('59899756510', 500, 0, 0, 0, 100);  
169  
170call add\_inventory('56379204750', 180, 0, 0, 0, 180);  
171  
172call add\_inventory('69097085107', 100, 0, 0, 0, 60);  
173  
174call add\_inventory('52937000120', 120, 0, 0, 0, 120);  
175end  
176\$\$;  
177commit transaction;  
178

patient 1Statistics 2 X

Name	Value
Updated Rows 0	
Query	start transaction;  do  \$\$  begin  call add_inventory('18462039730', 300, 0, 0, 0, 100);  call add_inventory('10536123441', 500, 0, 0, 0, 100);  call add_inventory('05970152370', 0, 0, 0, 0, 30);  call add_inventory('05723720490', 300, 0, 0, 0, 100);  call add_inventory('00093322555', 30, 0, 0, 0, 30);  call add_inventory('82607660270', 500, 0, 0, 0, 100);

SaveCancelScript2001Rows: 00 row(s) updated - 5ms, on 2