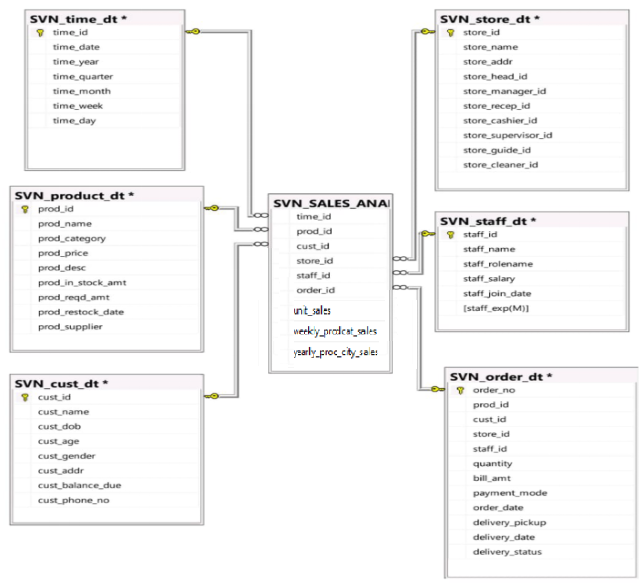
01\_D12B\_SANJANA ASRANI\_DWM EXP-02

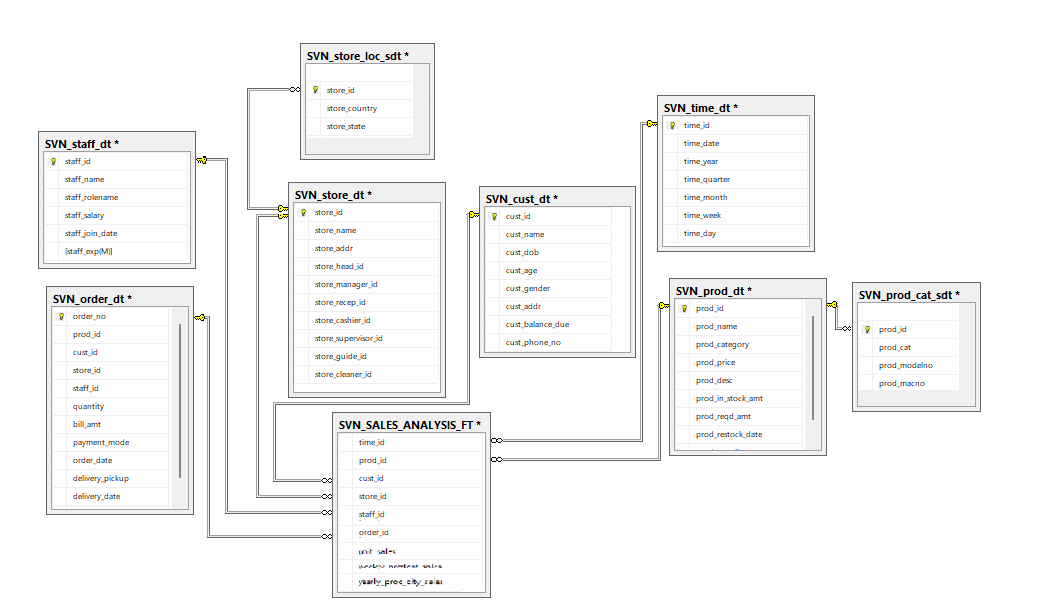
GROUP-01

RETAIL STORE MANAGEMENT

**STAR SCHEMA**

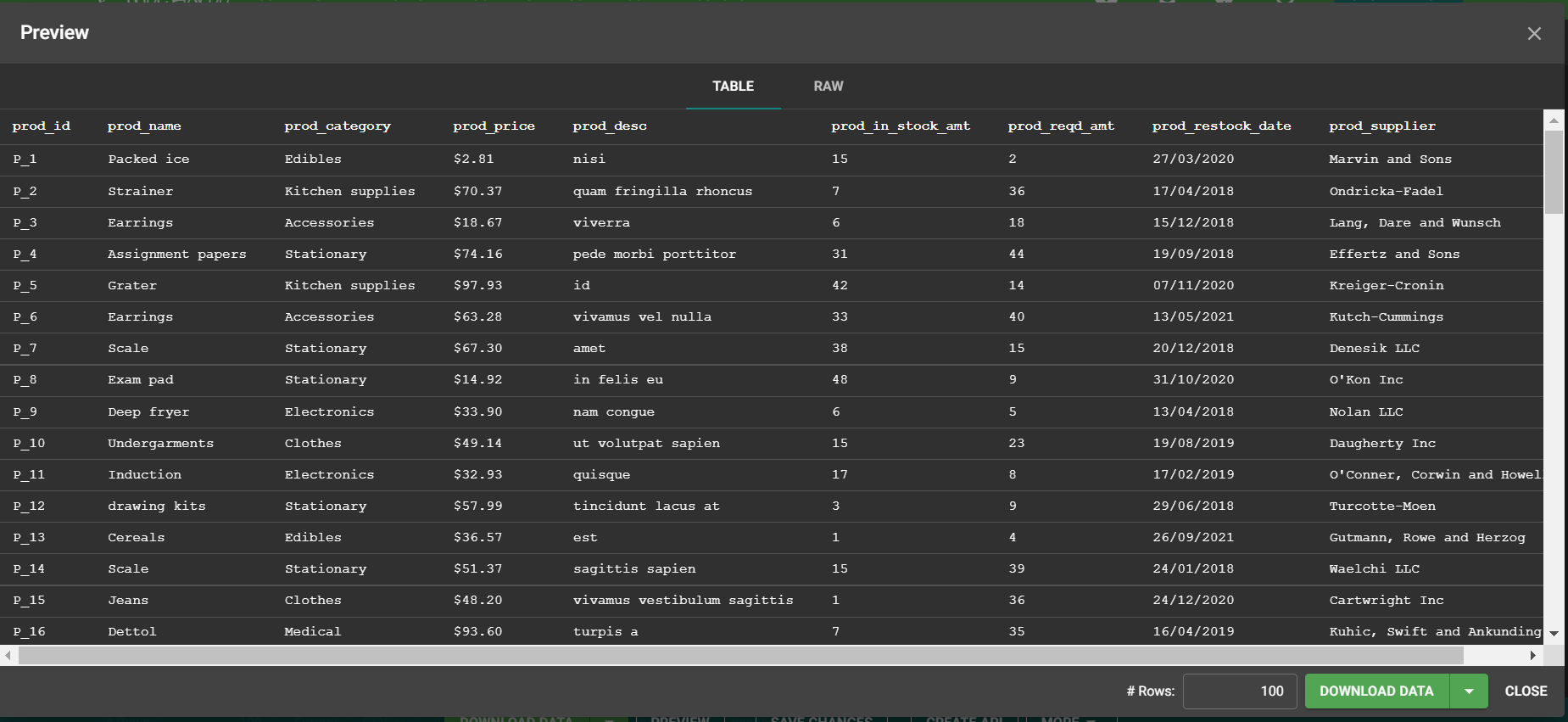


**SNOWFLAKE SCHEMA**

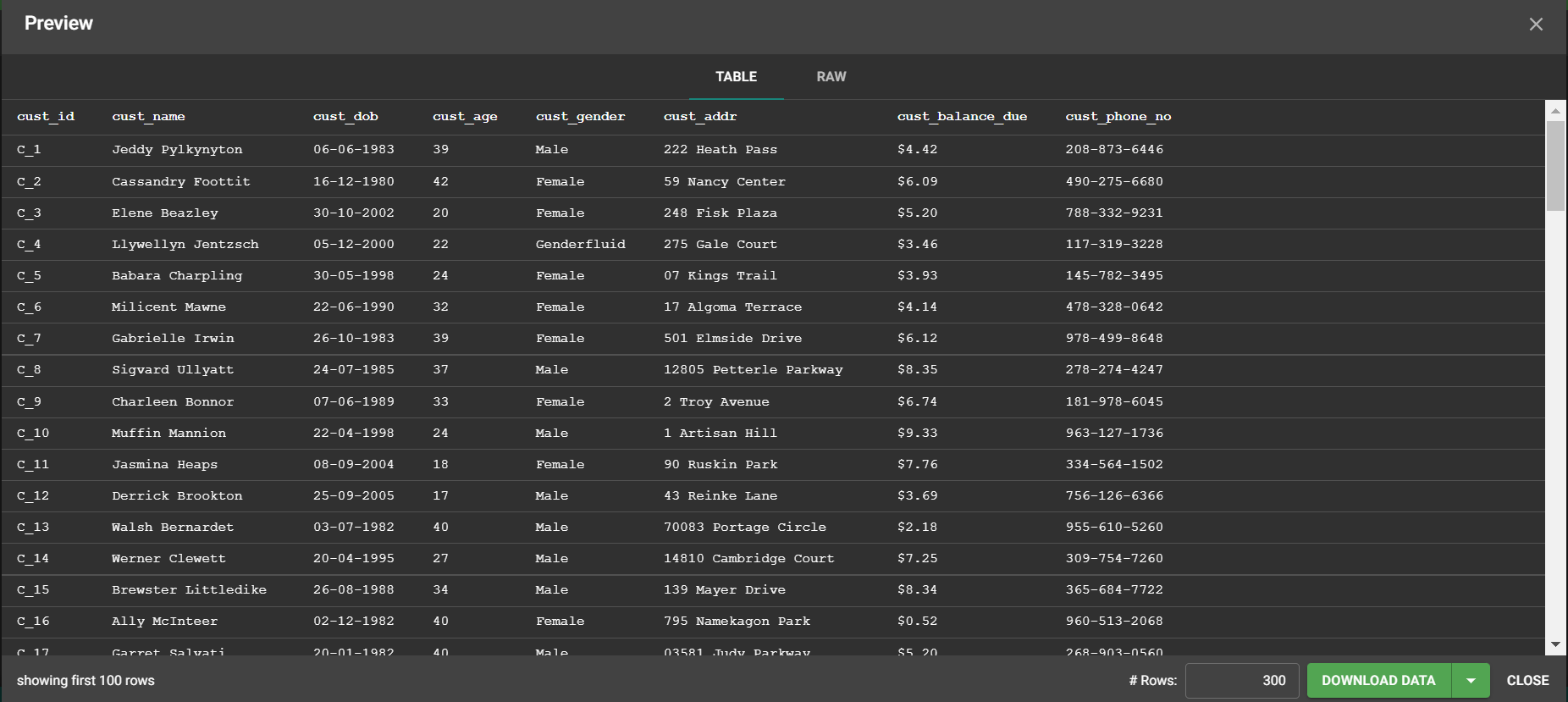


**INSERTING VALUES IN ALL TABLES :**

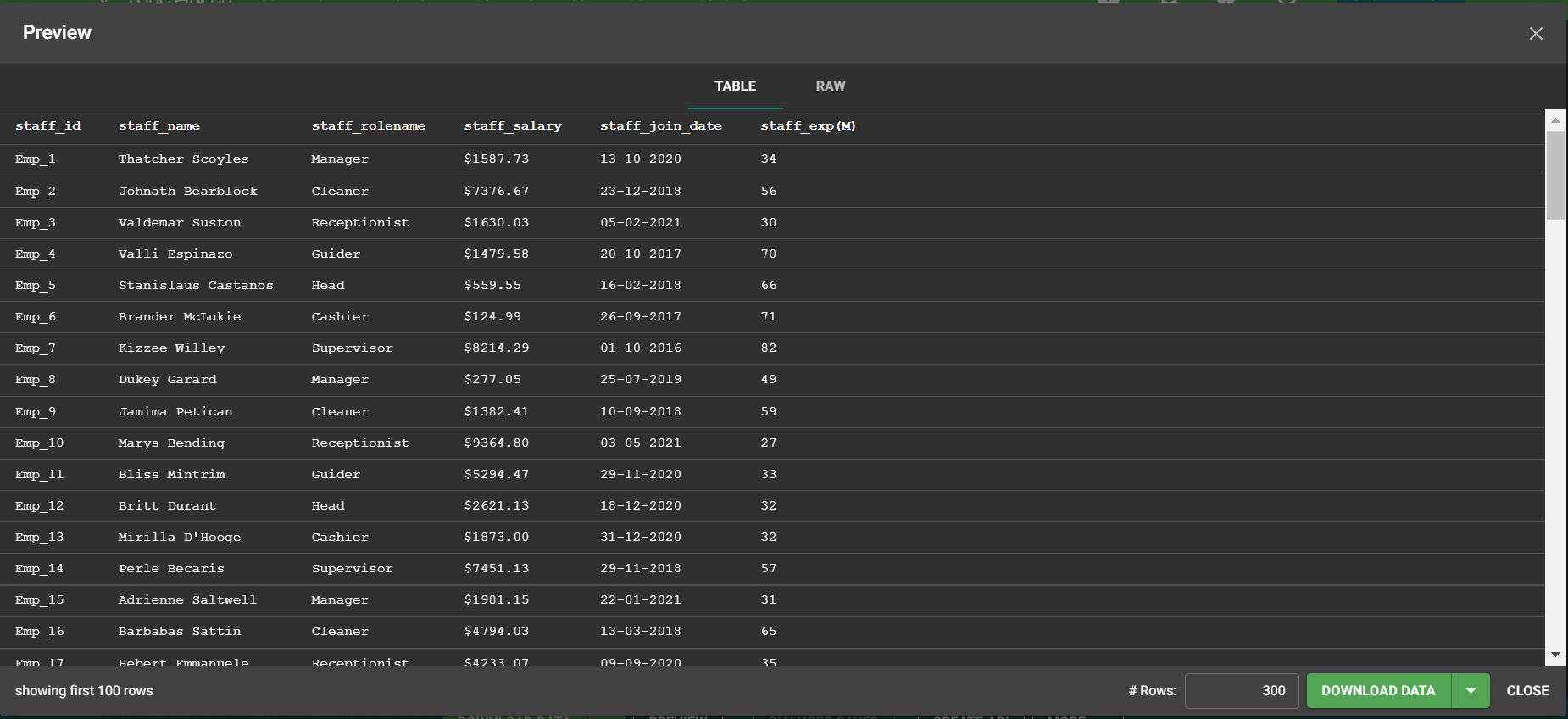
**SVN\_PROD\_DT**

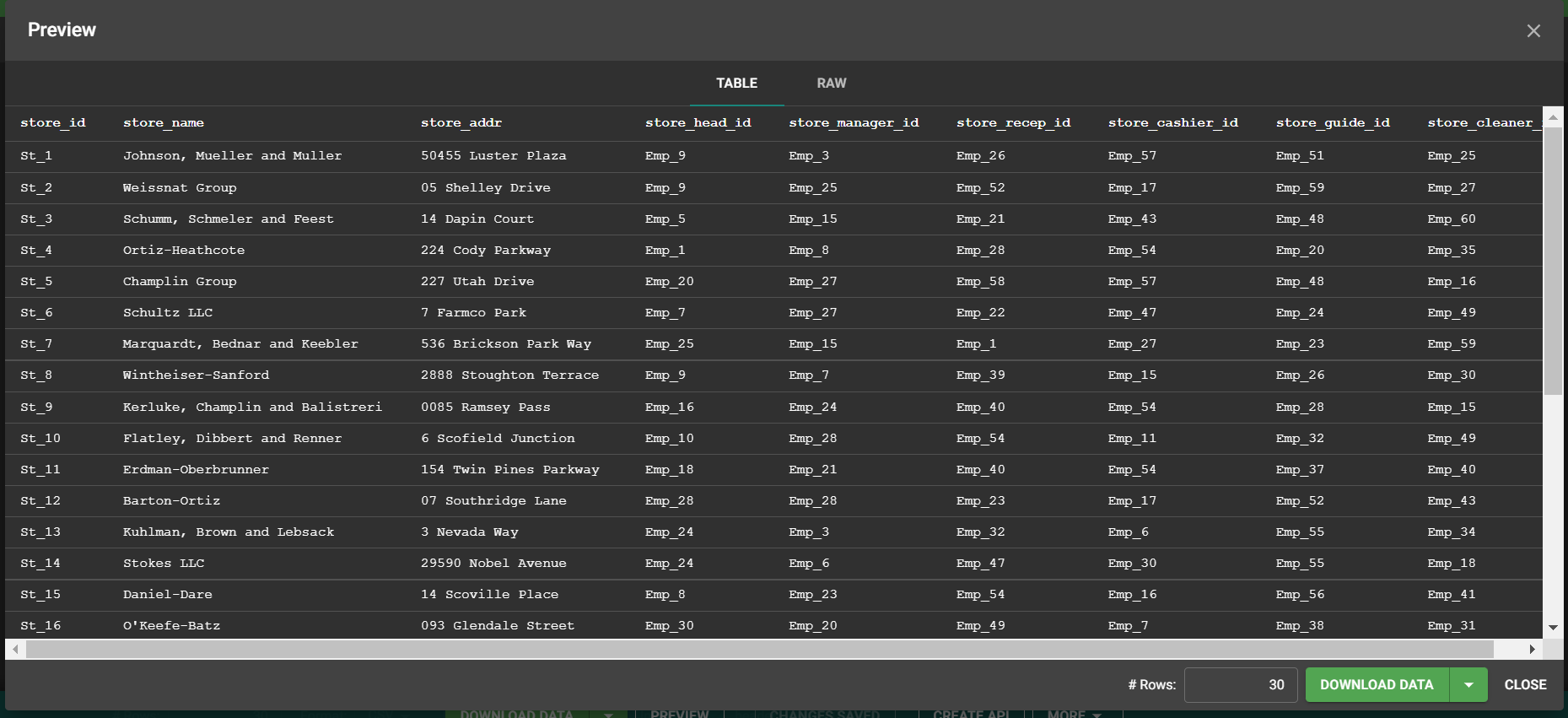
****

**SVN\_CUST\_DT**

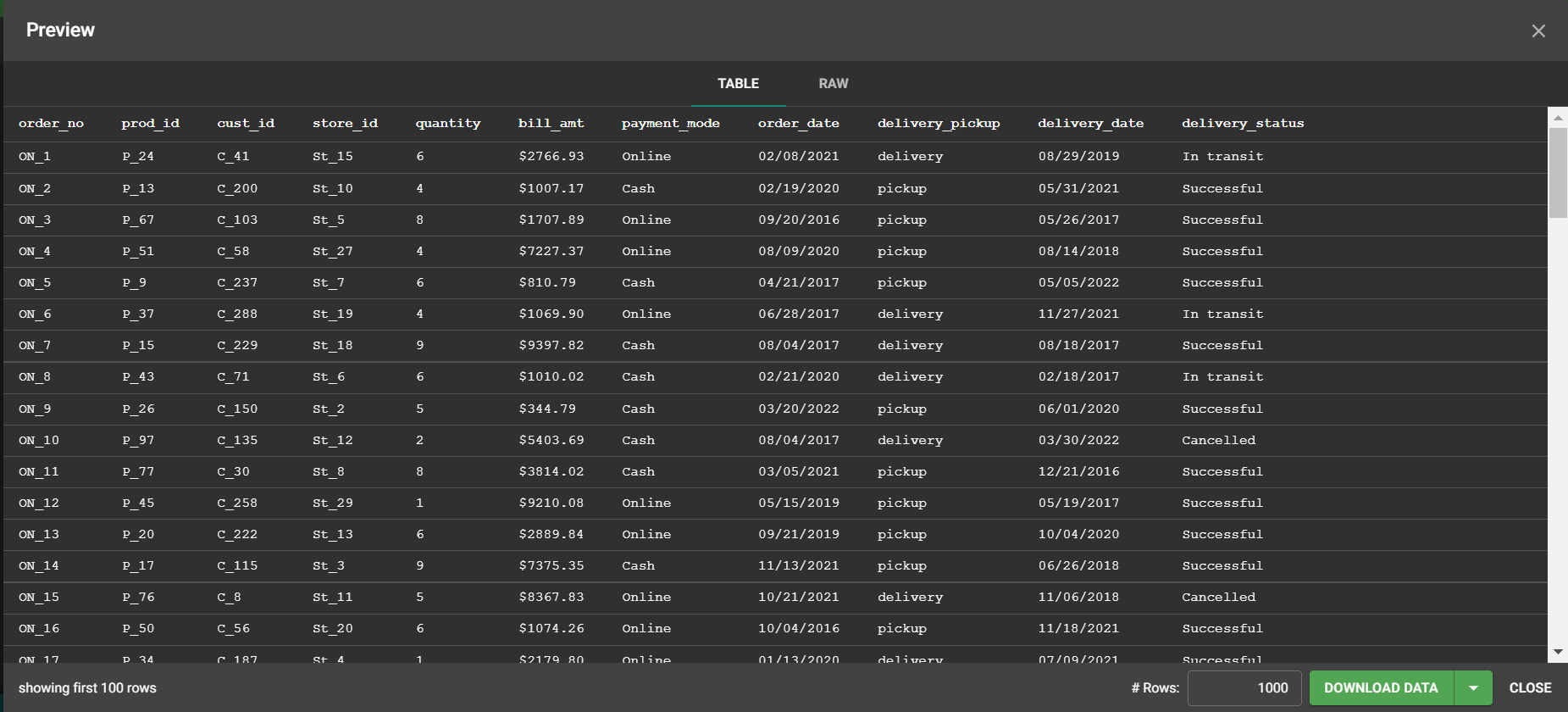
****

**SVN\_STAFF\_DT**

****

**SVN\_STORE\_DT**

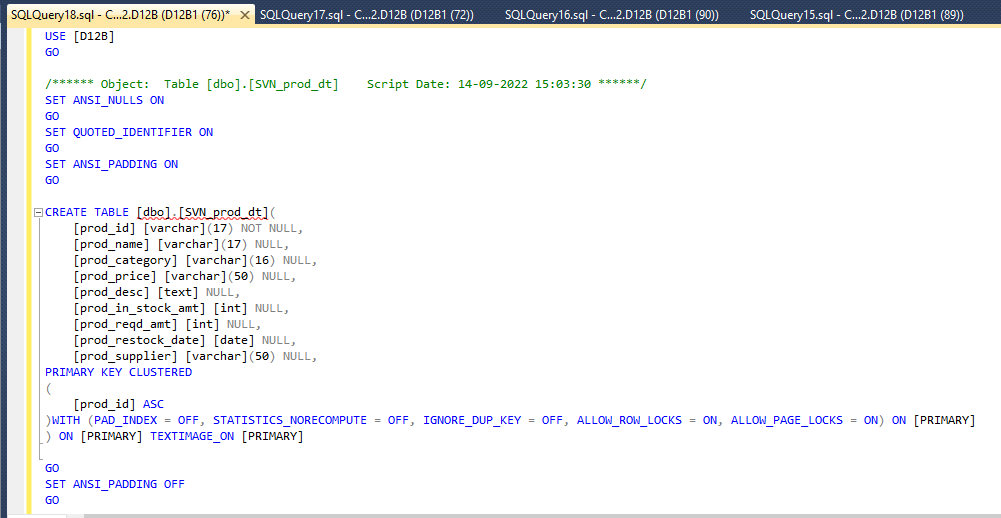
**SVN-ORDER\_DT**

****

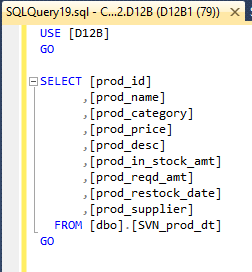
SCRIPT TABLE AS

**SVN\_PROD\_DT**

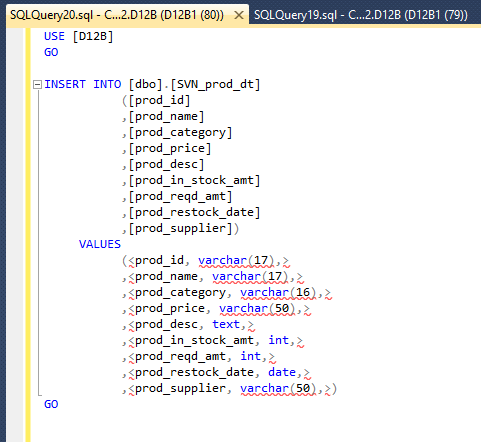
1. CREATE TO



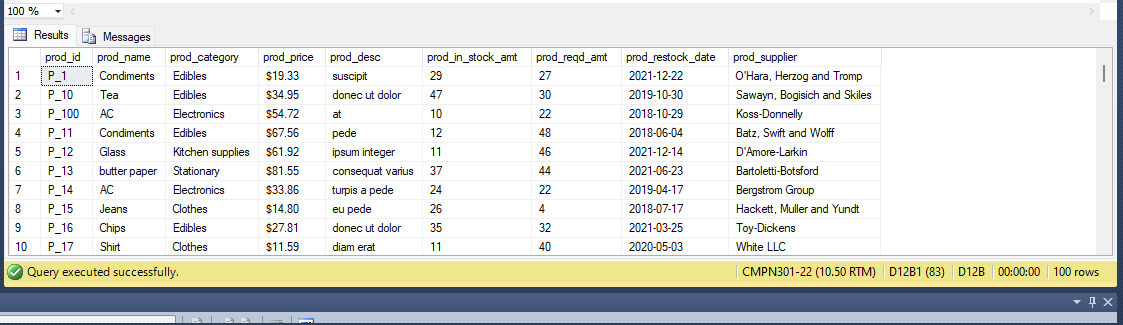
2. SELECT TO



3. INSERT TO

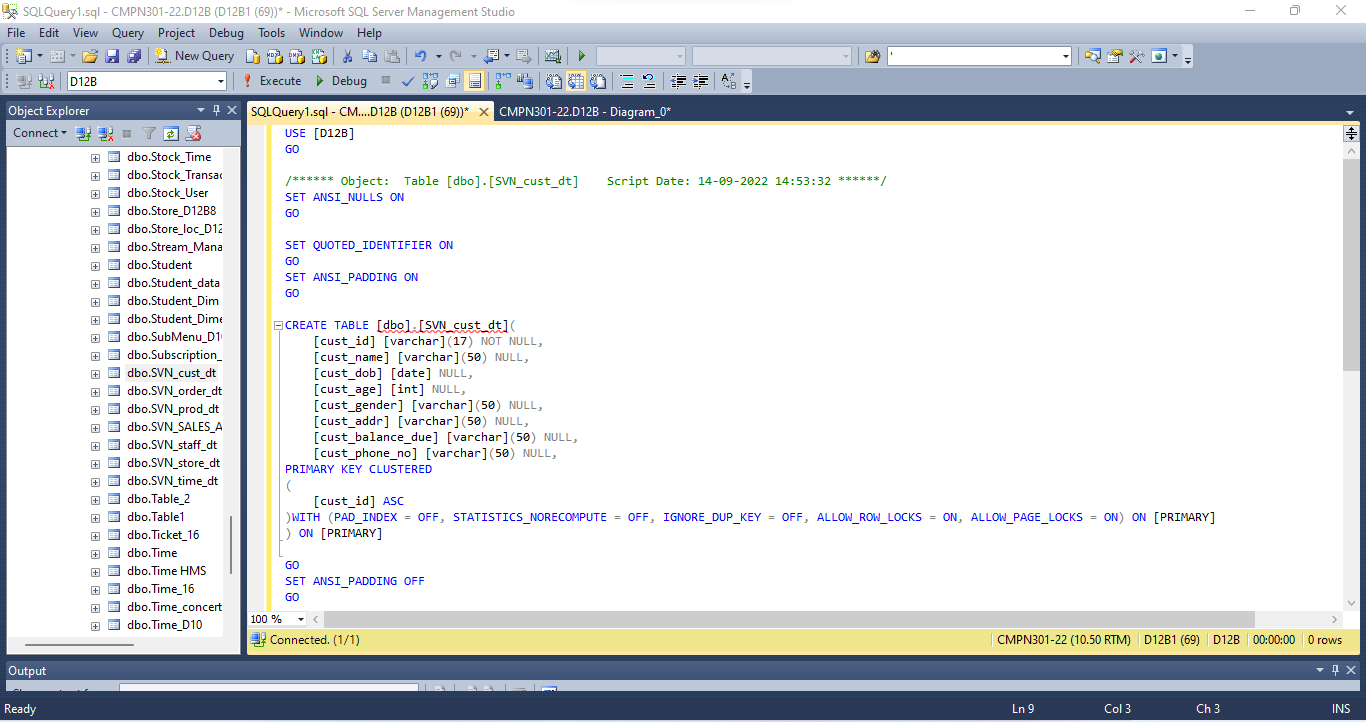


4. SELECT TOP 100 ROWS

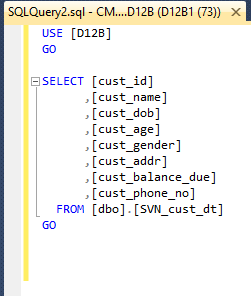


**SVN\_CUST\_DT**

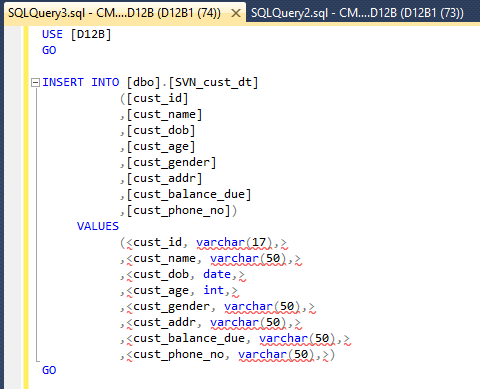
1.CREATE TO



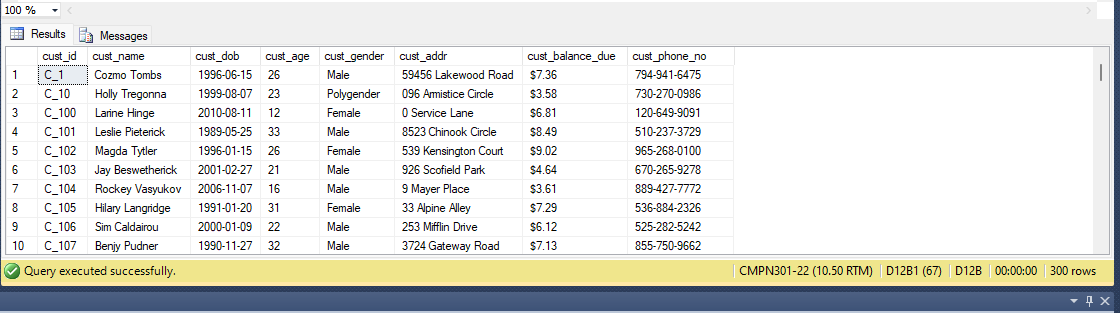
2.SELECT TO



3.INSERT TO

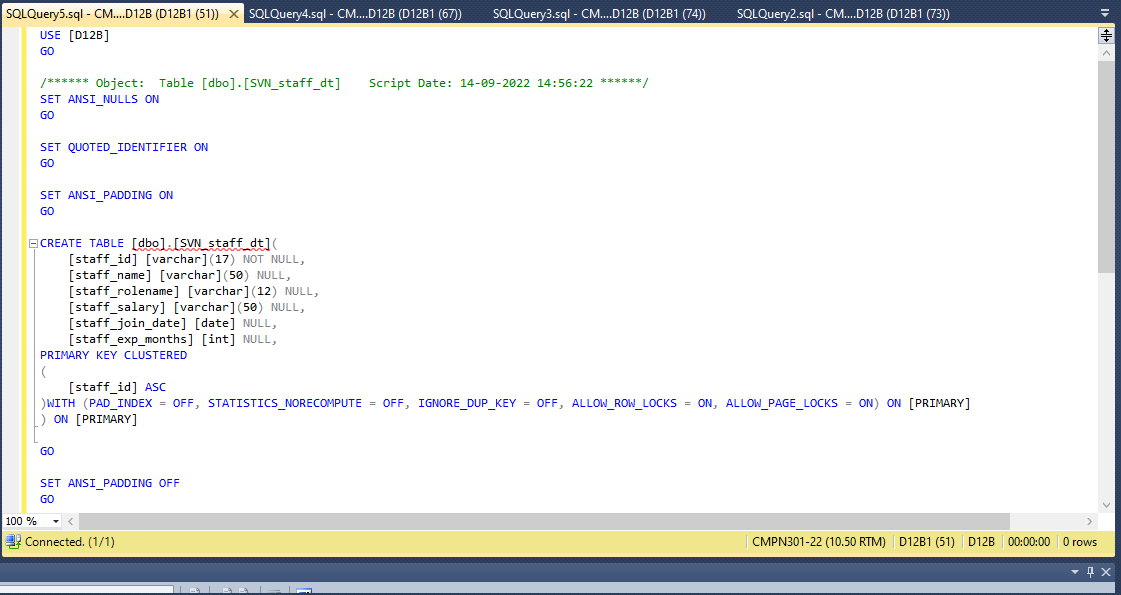


4.SELECT TOP 1000 ROWS

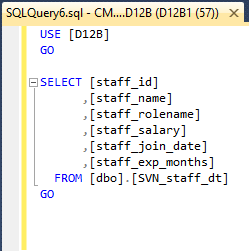


**SVN\_STAFF\_DT**

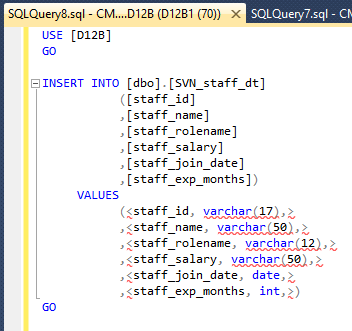
1.CREATE TO



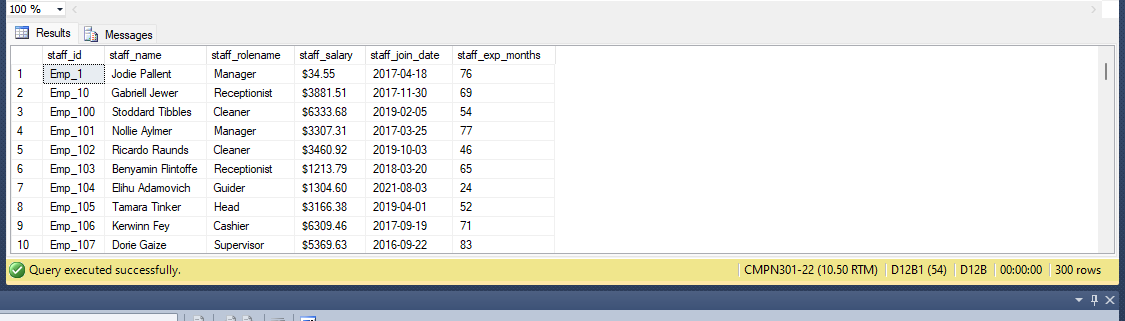
2.SELECT TO



3.INSERT TO

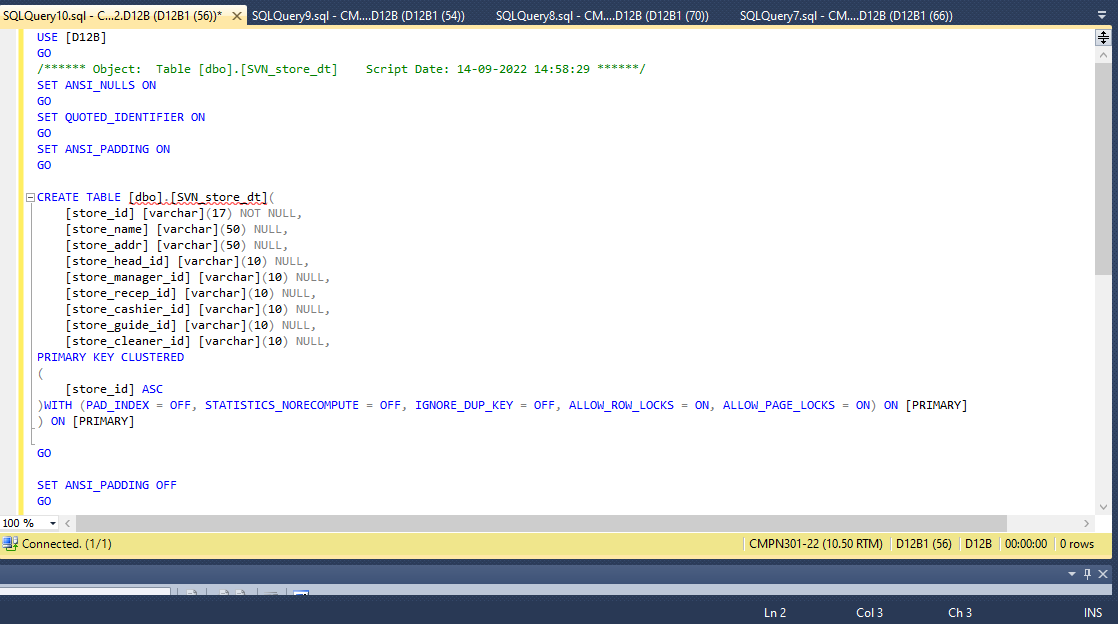


4.SELECT TOP 100 ROWS

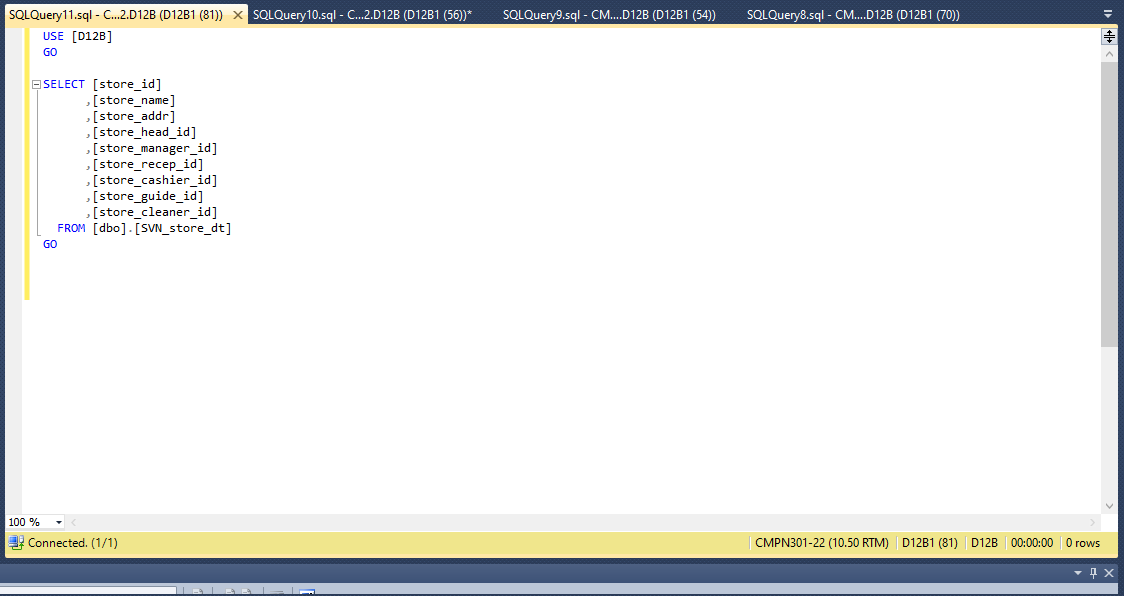


**SVN\_STORE\_DT**

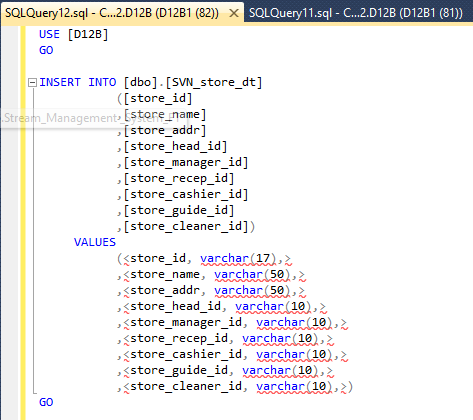
1.CREATE TO



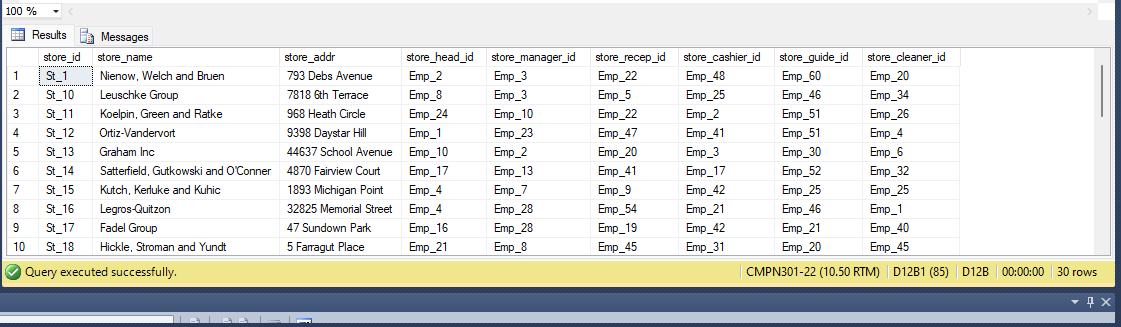
2.SELECT TO



3.INSERT TO



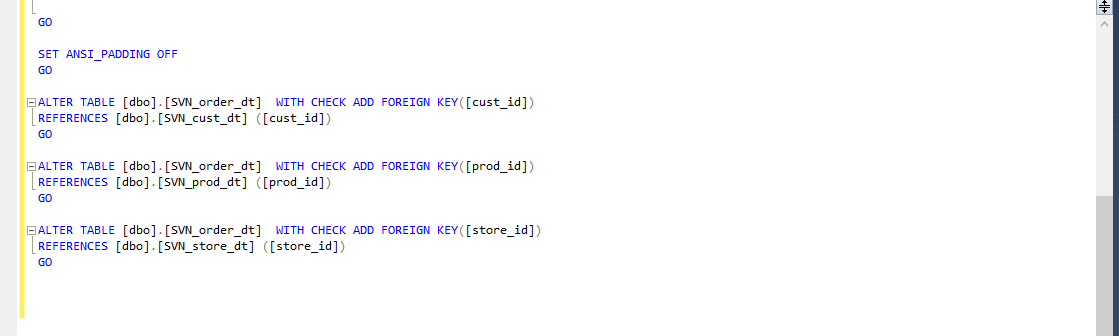
4.SELECT TOP 100 ROWS



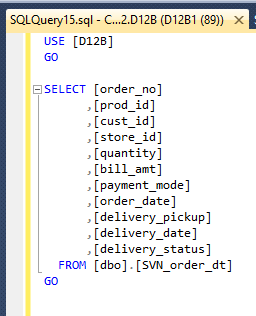
**SVN-ORDER\_DT**

1.CREATE TO

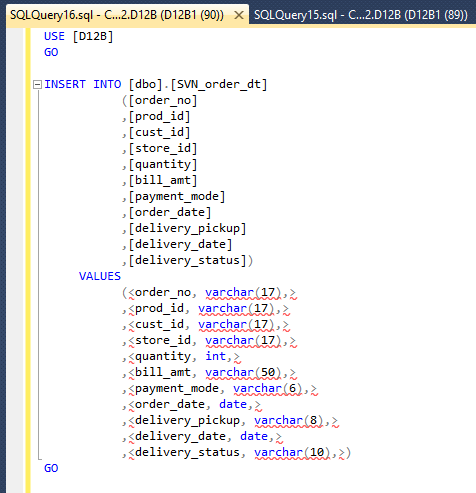




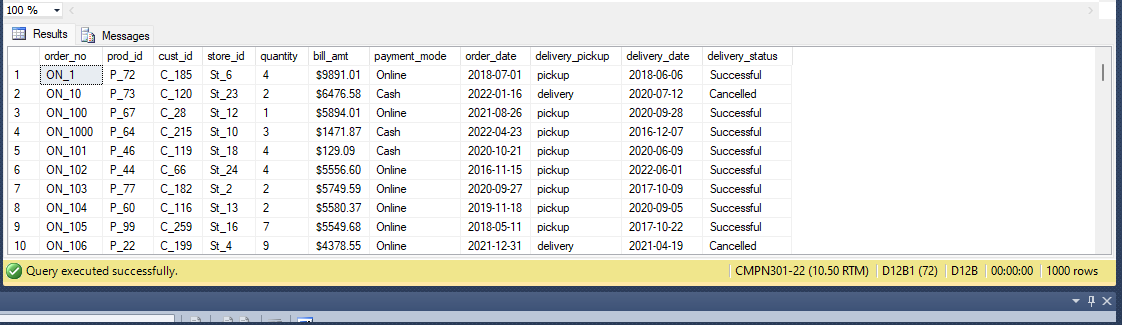
2.SELECT TO



3.INSERT TO

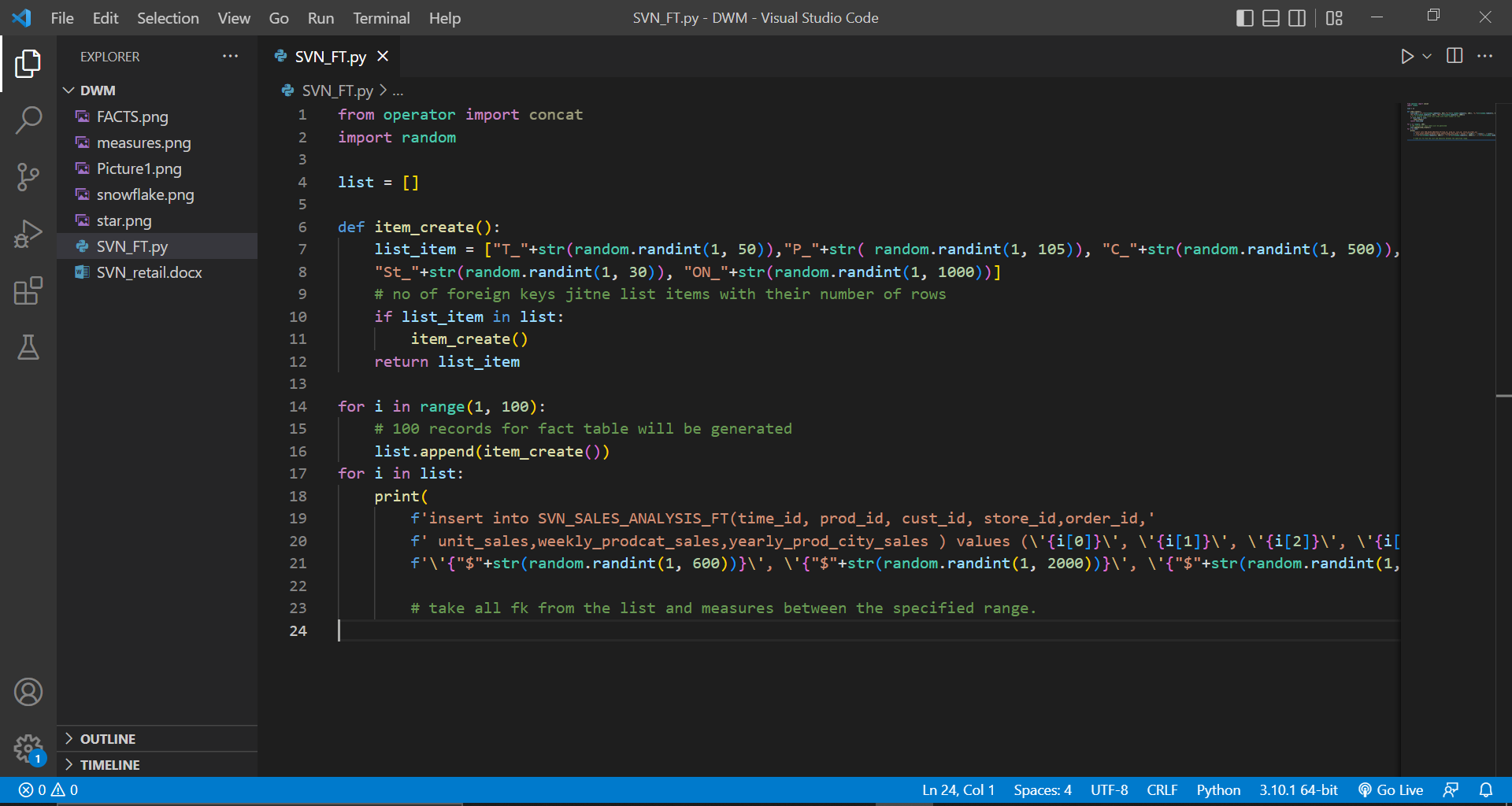


4.SELECT TOP 100 ROWS



**POPULATING FACT TABLE USING PYTHON SCRIPT :**

Code :



from operator import concat

import random

list = []

def item\_create():

list\_item = ["T\_"+str(random.randint(1, 50)),"P\_"+str( random.randint(1, 105)), "C\_"+str(random.randint(1, 500)),

"St\_"+str(random.randint(1, 30)), "ON\_"+str(random.randint(1, 1000))]

# no of foreign keys jitne list items with their number of rows

if list\_item in list:

item\_create()

return list\_item

for i in range(1, 100):

# 100 records for fact table will be generated

list.append(item\_create())

for i in list:

print(

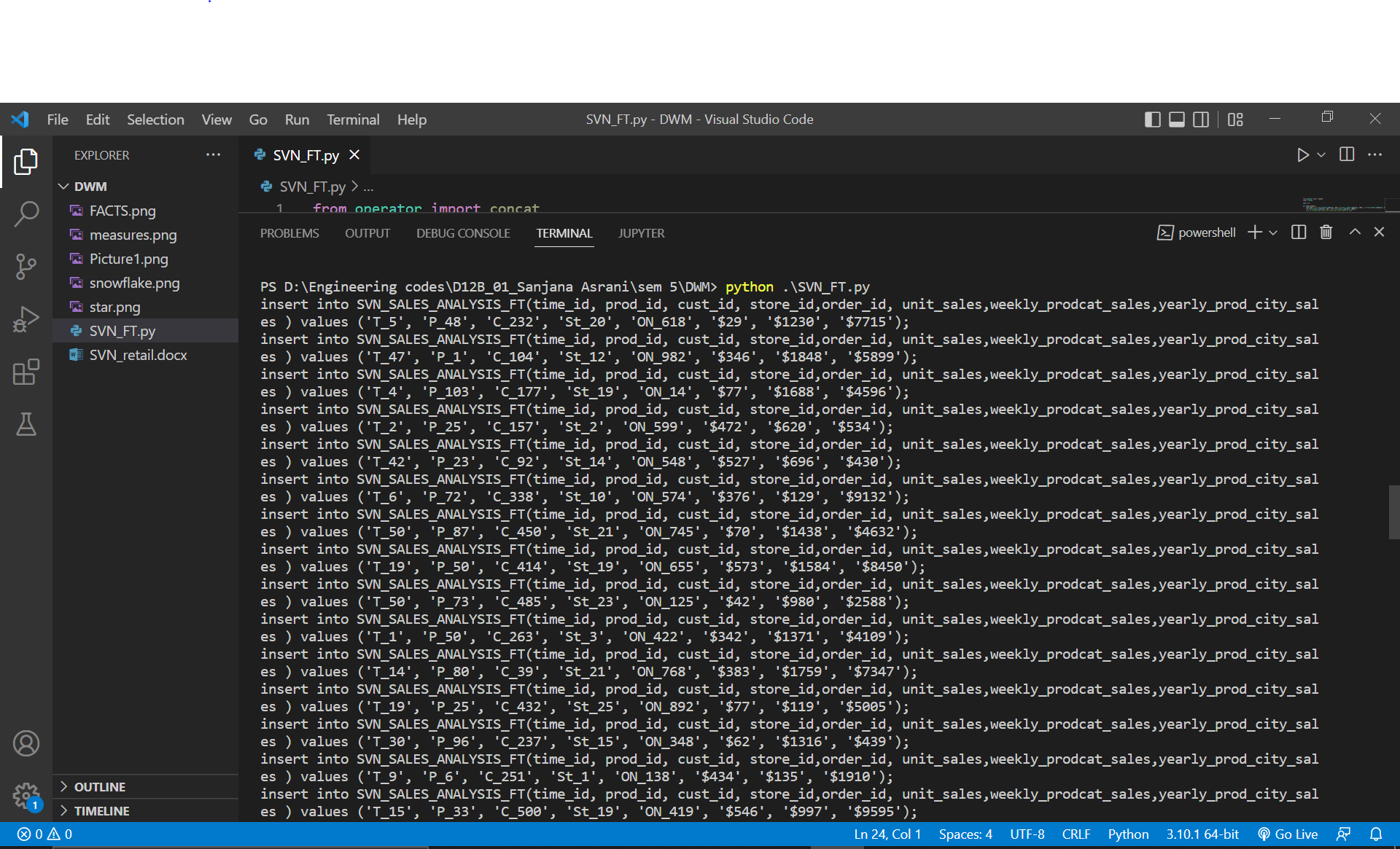
f'insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id,'

f' unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values (\'{i[0]}\', \'{i[1]}\', \'{i[2]}\', \'{i[3]}\', \'{i[4]}\', '

f'\'{"$"+str(random.randint(1, 600))}\', \'{"$"+str(random.randint(1, 2000))}\', \'{"$"+str(random.randint(1, 10000))}\');')

# take all fk from the list and measures between the specified range.

Output :



insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_44', 'P\_70', 'C\_383', 'St\_13', 'ON\_576', '$126', '$311', '$4117');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_13', 'P\_42', 'C\_371', 'St\_21', 'ON\_201', '$263', '$853', '$6470');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_38', 'P\_86', 'C\_323', 'St\_30', 'ON\_932', '$130', '$1793', '$1145');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_26', 'P\_61', 'C\_393', 'St\_19', 'ON\_387', '$329', '$1145', '$6070');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_11', 'P\_101', 'C\_274', 'St\_4', 'ON\_564', '$483', '$989', '$1305');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_32', 'P\_68', 'C\_56', 'St\_29', 'ON\_857', '$598', '$155', '$3270');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_31', 'P\_50', 'C\_74', 'St\_21', 'ON\_338', '$547', '$1358', '$9562');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_9', 'P\_102', 'C\_217', 'St\_29', 'ON\_562', '$349', '$1581', '$1217');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_33', 'P\_105', 'C\_398', 'St\_3', 'ON\_737', '$56', '$1226', '$3292');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_14', 'P\_67', 'C\_471', 'St\_8', 'ON\_603', '$138', '$954', '$7754');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_30', 'P\_41', 'C\_442', 'St\_30', 'ON\_327', '$388', '$1169', '$4527');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_41', 'P\_89', 'C\_348', 'St\_28', 'ON\_922', '$270', '$1233', '$617');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_46', 'P\_46', 'C\_494', 'St\_14', 'ON\_87', '$340', '$1723', '$1749');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_18', 'P\_71', 'C\_291', 'St\_20', 'ON\_330', '$579', '$677', '$1306');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_32', 'P\_9', 'C\_487', 'St\_30', 'ON\_624', '$154', '$474', '$524');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_17', 'P\_29', 'C\_423', 'St\_4', 'ON\_89', '$350', '$1551', '$6850');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_49', 'P\_95', 'C\_109', 'St\_6', 'ON\_367', '$164', '$1948', '$8303');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_6', 'P\_17', 'C\_123', 'St\_8', 'ON\_946', '$153', '$1616', '$3103');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_4', 'P\_22', 'C\_214', 'St\_13', 'ON\_272', '$406', '$936', '$2771');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_19', 'P\_54', 'C\_478', 'St\_14', 'ON\_245', '$340', '$1408', '$709');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_29', 'P\_53', 'C\_172', 'St\_29', 'ON\_434', '$283', '$1636', '$2661');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_36', 'P\_66', 'C\_385', 'St\_10', 'ON\_226', '$247', '$1587', '$5598');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_8', 'P\_19', 'C\_314', 'St\_14', 'ON\_441', '$142', '$537', '$537');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_21', 'P\_70', 'C\_36', 'St\_11', 'ON\_713', '$83', '$217', '$1772');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_36', 'P\_35', 'C\_236', 'St\_21', 'ON\_957', '$290', '$878', '$22');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_44', 'P\_86', 'C\_414', 'St\_25', 'ON\_665', '$173', '$189', '$6540');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_40', 'P\_65', 'C\_343', 'St\_3', 'ON\_115', '$537', '$1138', '$5053');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_33', 'P\_105', 'C\_207', 'St\_20', 'ON\_203', '$255', '$367', '$7701');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_18', 'P\_98', 'C\_366', 'St\_30', 'ON\_406', '$198', '$1960', '$4302');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_37', 'P\_3', 'C\_377', 'St\_14', 'ON\_112', '$238', '$964', '$947');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_17', 'P\_82', 'C\_246', 'St\_9', 'ON\_973', '$296', '$1877', '$8293');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_21', 'P\_100', 'C\_300', 'St\_22', 'ON\_902', '$387', '$252', '$8393');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_43', 'P\_75', 'C\_18', 'St\_21', 'ON\_782', '$348', '$277', '$9920');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_15', 'P\_54', 'C\_72', 'St\_5', 'ON\_767', '$461', '$1647', '$3100');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_14', 'P\_11', 'C\_37', 'St\_12', 'ON\_686', '$174', '$440', '$3753');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_21', 'P\_22', 'C\_407', 'St\_28', 'ON\_433', '$280', '$127', '$7112');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_30', 'P\_103', 'C\_323', 'St\_7', 'ON\_469', '$335', '$1400', '$9780');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_39', 'P\_60', 'C\_162', 'St\_19', 'ON\_108', '$378', '$993', '$3329');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_7', 'P\_72', 'C\_247', 'St\_11', 'ON\_676', '$491', '$306', '$3548');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_38', 'P\_87', 'C\_448', 'St\_12', 'ON\_426', '$502', '$272', '$9945');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_37', 'P\_76', 'C\_14', 'St\_30', 'ON\_93', '$519', '$1361', '$8225');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_9', 'P\_9', 'C\_51', 'St\_7', 'ON\_124', '$538', '$1660', '$4623');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_31', 'P\_63', 'C\_23', 'St\_10', 'ON\_108', '$414', '$161', '$9413');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_23', 'P\_59', 'C\_307', 'St\_10', 'ON\_670', '$43', '$1043', '$4600');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_48', 'P\_16', 'C\_190', 'St\_2', 'ON\_389', '$599', '$1277', '$2493');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_32', 'P\_40', 'C\_293', 'St\_2', 'ON\_914', '$353', '$603', '$9944');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_44', 'P\_86', 'C\_100', 'St\_4', 'ON\_35', '$509', '$1743', '$6509');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_18', 'P\_61', 'C\_296', 'St\_5', 'ON\_63', '$504', '$1713', '$3096');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_20', 'P\_100', 'C\_28', 'St\_6', 'ON\_726', '$162', '$513', '$4739');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_13', 'P\_8', 'C\_10', 'St\_26', 'ON\_116', '$427', '$976', '$1135');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_25', 'P\_39', 'C\_231', 'St\_13', 'ON\_642', '$68', '$1750', '$4676');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_7', 'P\_47', 'C\_9', 'St\_5', 'ON\_529', '$555', '$1029', '$788');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_1', 'P\_95', 'C\_227', 'St\_4', 'ON\_873', '$422', '$1722', '$199');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_6', 'P\_3', 'C\_263', 'St\_30', 'ON\_804', '$484', '$1550', '$3275');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_23', 'P\_64', 'C\_48', 'St\_3', 'ON\_830', '$293', '$1931', '$9442');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_7', 'P\_46', 'C\_288', 'St\_14', 'ON\_848', '$496', '$1402', '$5618');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_3', 'P\_53', 'C\_125', 'St\_22', 'ON\_234', '$22', '$1354', '$5007');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_15', 'P\_45', 'C\_74', 'St\_12', 'ON\_131', '$81', '$307', '$4909');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_25', 'P\_15', 'C\_271', 'St\_18', 'ON\_3', '$270', '$349', '$5221');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_37', 'P\_44', 'C\_1', 'St\_10', 'ON\_620', '$342', '$625', '$4157');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_10', 'P\_97', 'C\_482', 'St\_11', 'ON\_810', '$490', '$432', '$7328');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_2', 'P\_42', 'C\_187', 'St\_14', 'ON\_317', '$490', '$745', '$317');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_3', 'P\_55', 'C\_13', 'St\_26', 'ON\_865', '$561', '$454', '$9814');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_43', 'P\_54', 'C\_37', 'St\_29', 'ON\_526', '$230', '$32', '$4713');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_50', 'P\_53', 'C\_75', 'St\_14', 'ON\_362', '$356', '$178', '$8159');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_32', 'P\_72', 'C\_393', 'St\_23', 'ON\_124', '$206', '$1848', '$5017');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_50', 'P\_18', 'C\_228', 'St\_3', 'ON\_602', '$214', '$554', '$9503');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_11', 'P\_67', 'C\_331', 'St\_11', 'ON\_404', '$246', '$1473', '$4740');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_25', 'P\_7', 'C\_378', 'St\_3', 'ON\_317', '$525', '$1976', '$799');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_22', 'P\_38', 'C\_176', 'St\_29', 'ON\_562', '$148', '$1675', '$5363');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_22', 'P\_102', 'C\_453', 'St\_4', 'ON\_506', '$374', '$1759', '$7482');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_40', 'P\_96', 'C\_303', 'St\_24', 'ON\_650', '$436', '$1410', '$8239');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_19', 'P\_103', 'C\_310', 'St\_2', 'ON\_452', '$570', '$1726', '$3752');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_46', 'P\_82', 'C\_207', 'St\_26', 'ON\_485', '$292', '$1449', '$9955');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_6', 'P\_4', 'C\_277', 'St\_26', 'ON\_204', '$288', '$497', '$700');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_37', 'P\_26', 'C\_368', 'St\_14', 'ON\_726', '$271', '$1837', '$7215');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_44', 'P\_99', 'C\_238', 'St\_1', 'ON\_723', '$293', '$1569', '$1591');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_26', 'P\_78', 'C\_70', 'St\_23', 'ON\_441', '$237', '$1753', '$6485');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_16', 'P\_1', 'C\_203', 'St\_22', 'ON\_28', '$353', '$245', '$5195');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_48', 'P\_81', 'C\_38', 'St\_14', 'ON\_71', '$2', '$1577', '$6971');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_12', 'P\_15', 'C\_46', 'St\_28', 'ON\_805', '$412', '$1630', '$7997');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_19', 'P\_56', 'C\_4', 'St\_5', 'ON\_790', '$422', '$703', '$3604');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_9', 'P\_32', 'C\_412', 'St\_7', 'ON\_688', '$299', '$787', '$6782');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_37', 'P\_97', 'C\_66', 'St\_10', 'ON\_653', '$316', '$1155', '$215');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_1', 'P\_4', 'C\_462', 'St\_19', 'ON\_495', '$172', '$140', '$9313');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_46', 'P\_3', 'C\_91', 'St\_29', 'ON\_192', '$143', '$34', '$8775');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_16', 'P\_73', 'C\_373', 'St\_30', 'ON\_780', '$21', '$895', '$21');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_36', 'P\_45', 'C\_498', 'St\_2', 'ON\_580', '$43', '$733', '$380');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_25', 'P\_73', 'C\_127', 'St\_15', 'ON\_853', '$434', '$443', '$7936');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_26', 'P\_72', 'C\_195', 'St\_5', 'ON\_876', '$198', '$49', '$7410');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_19', 'P\_52', 'C\_250', 'St\_23', 'ON\_499', '$157', '$1666', '$6073');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_39', 'P\_50', 'C\_303', 'St\_6', 'ON\_453', '$23', '$564', '$8747');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_50', 'P\_51', 'C\_413', 'St\_7', 'ON\_555', '$316', '$373', '$3717');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_39', 'P\_77', 'C\_297', 'St\_22', 'ON\_708', '$493', '$697', '$8161');

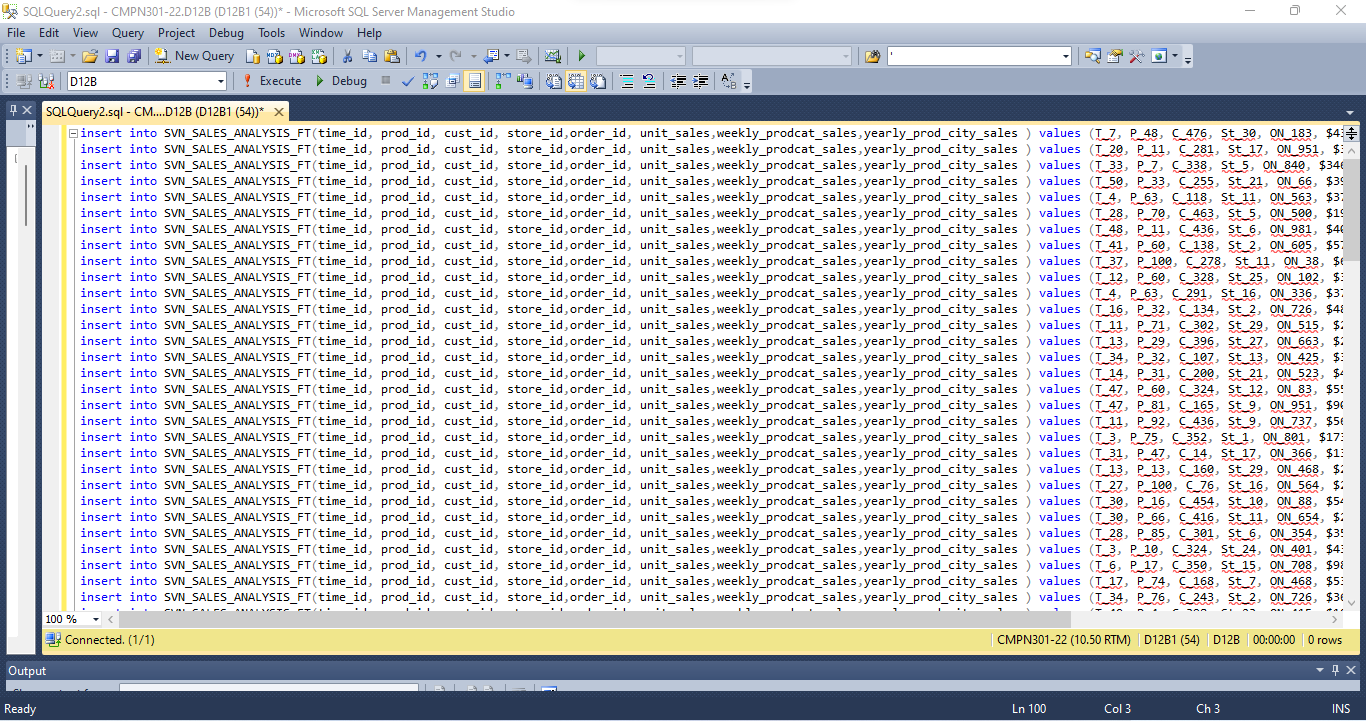
insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_17', 'P\_84', 'C\_278', 'St\_15', 'ON\_151', '$399', '$1102', '$2080');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_25', 'P\_6', 'C\_86', 'St\_5', 'ON\_949', '$127', '$487', '$7023');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_49', 'P\_41', 'C\_59', 'St\_29', 'ON\_268', '$191', '$1393', '$1786');

insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_4', 'P\_27', 'C\_433', 'St\_26', 'ON\_949', '$326', '$294', '$776');

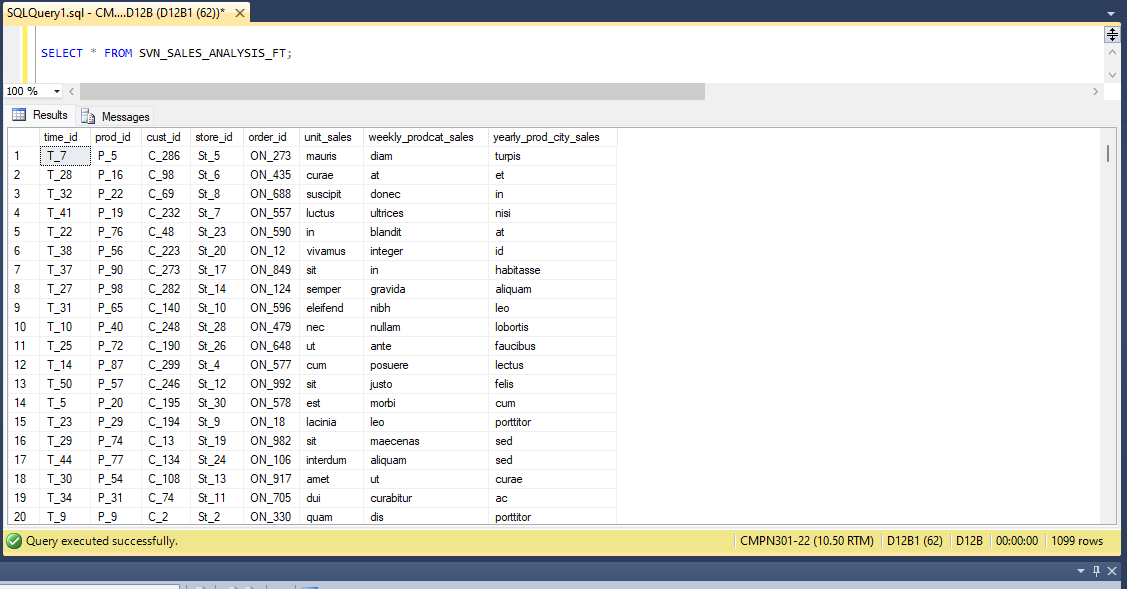
insert into SVN\_SALES\_ANALYSIS\_FT(time\_id, prod\_id, cust\_id, store\_id,order\_id, unit\_sales,weekly\_prodcat\_sales,yearly\_prod\_city\_sales ) values ('T\_32', 'P\_67', 'C\_213', 'St\_7', 'ON\_769', '$439', '$1898', '$7125');

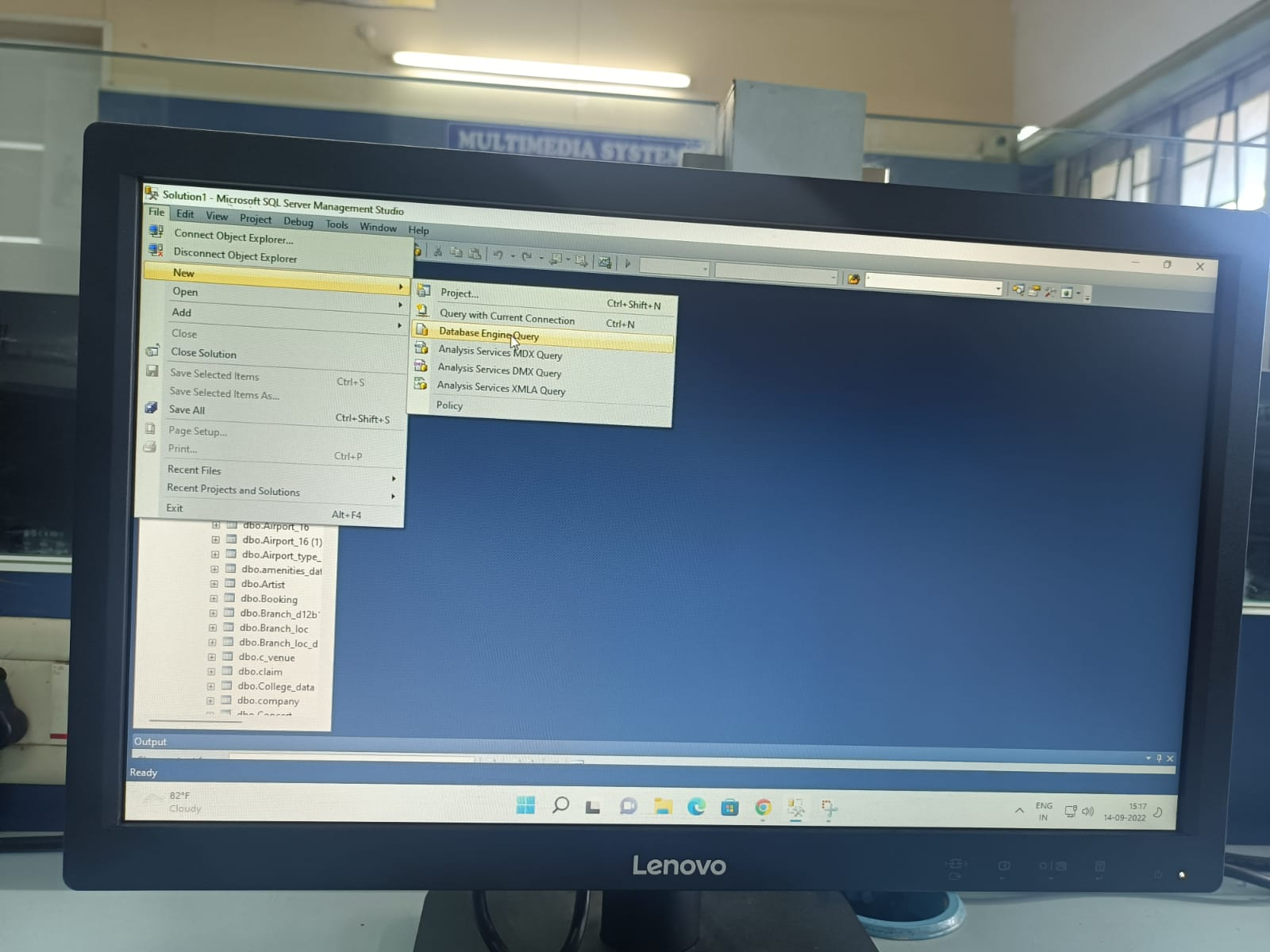


Executing above insert queries on a new query window in SQL manager :

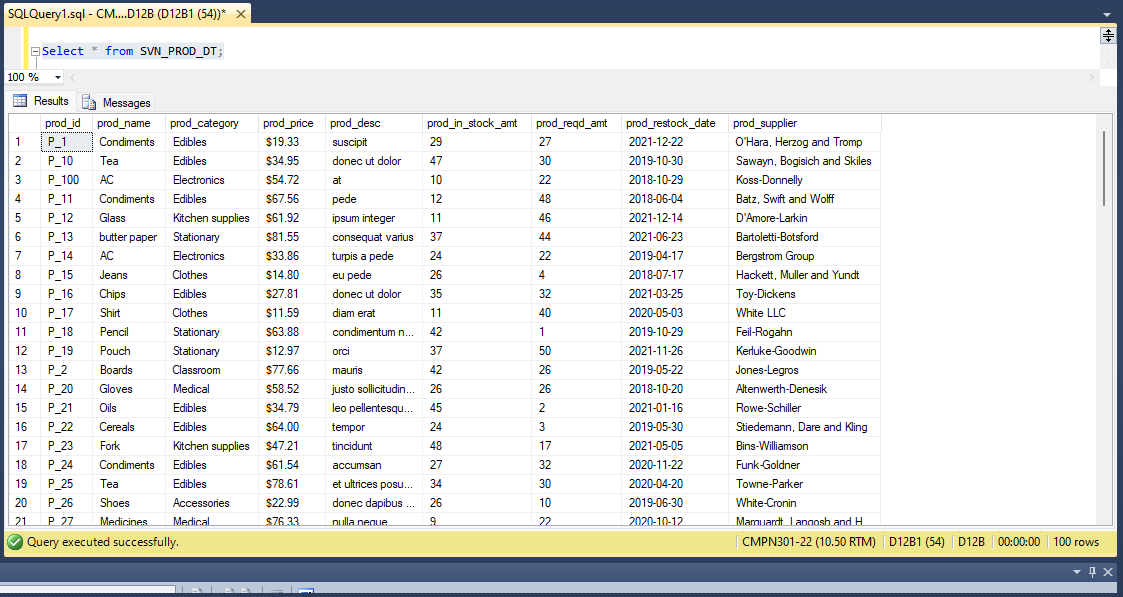
Successfully inserted :

( click on file -> new -> database engine query)

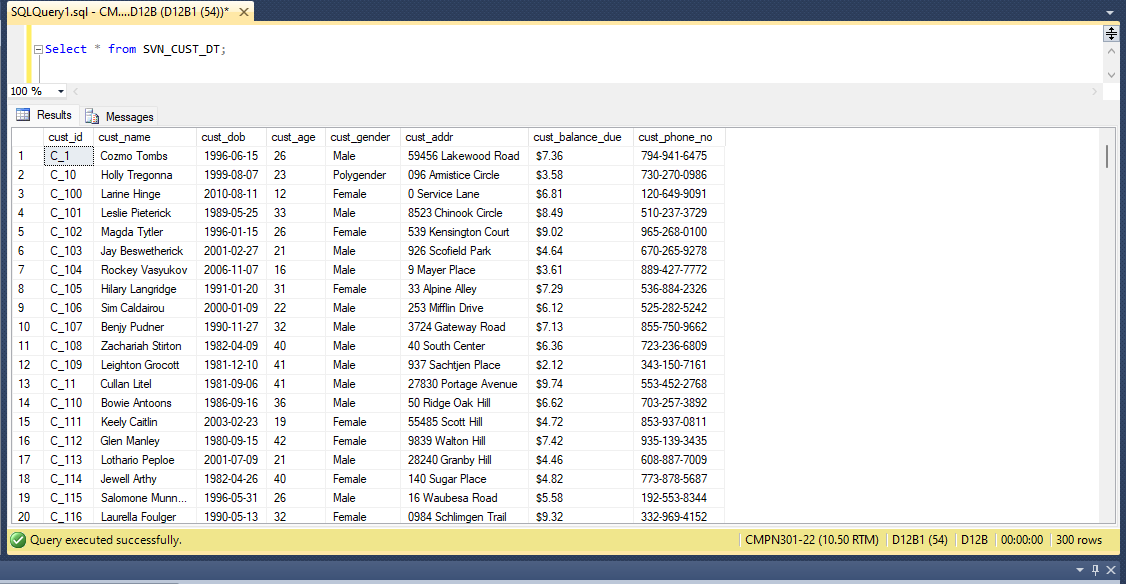




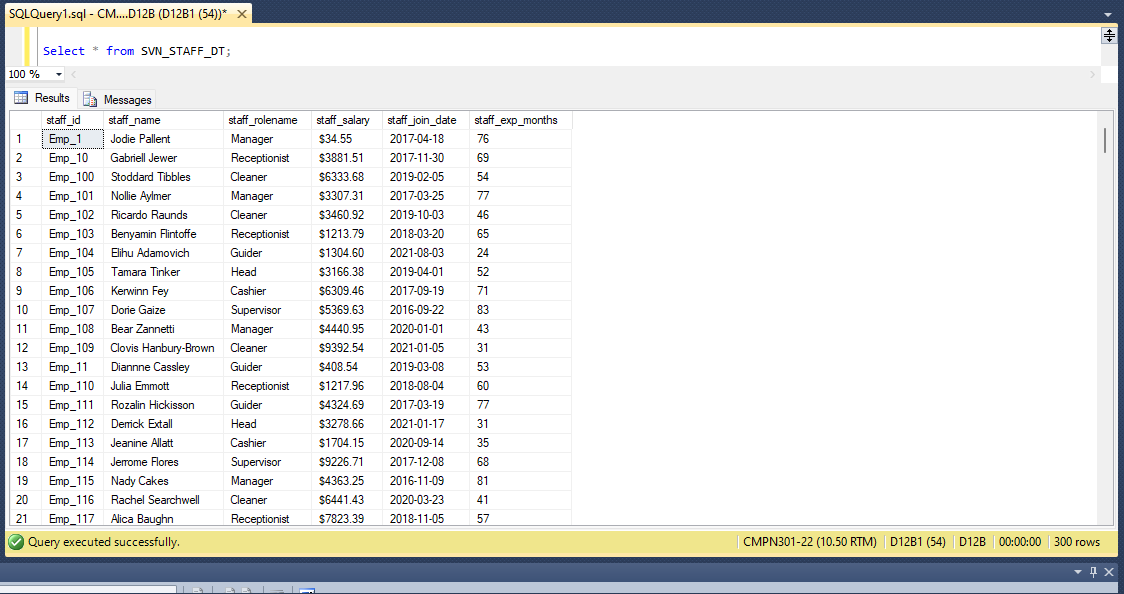
Select \* from SVN\_PRODUCT\_DT;



Select \* from SVN\_CUST\_DT;



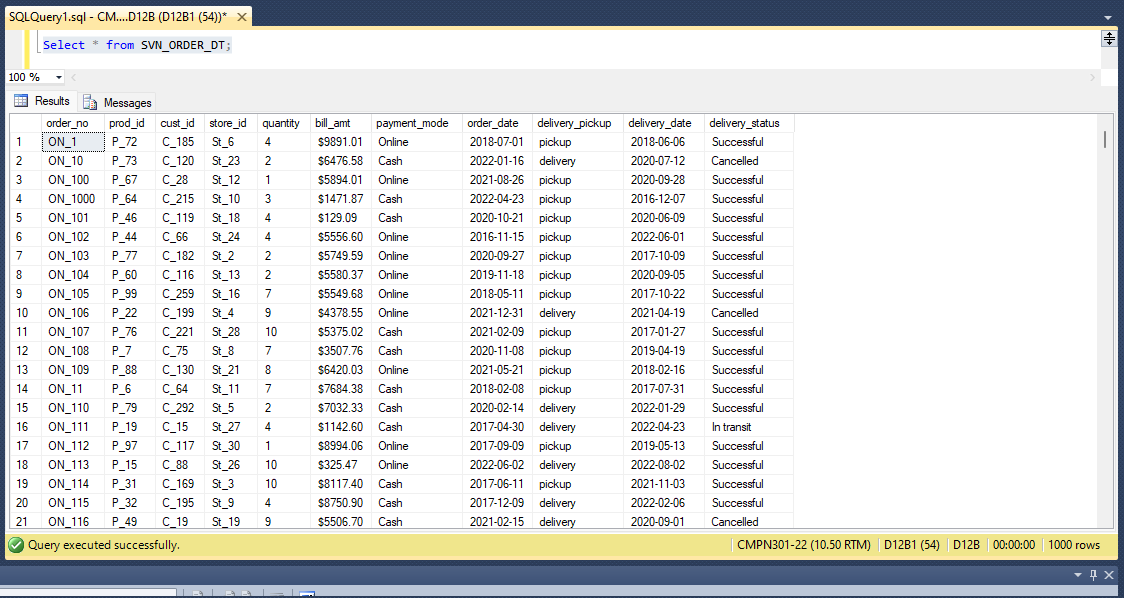
Select \* from SVN\_STAFF\_DT;



Select \* from SVN\_STORE\_DT;



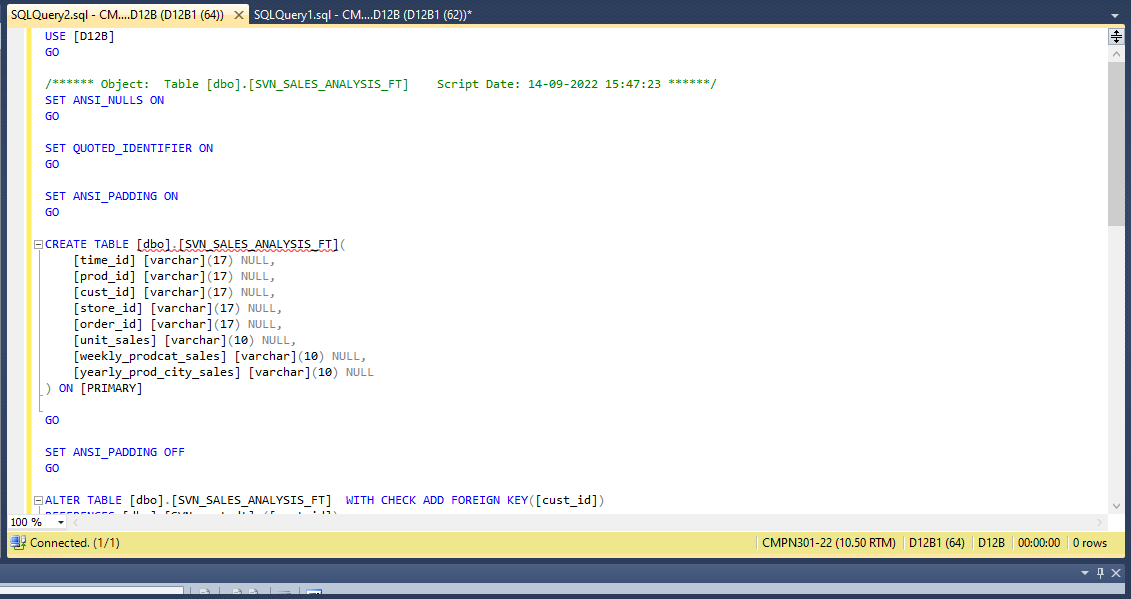
Select \* from SVN\_ORDER\_DT;



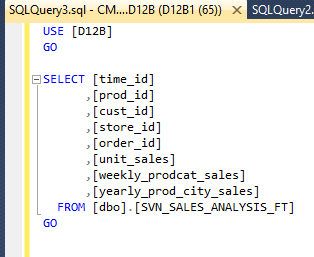
Select \* from SVN\_SALES\_ANAPYSIS\_FT;

SVN\_SALES\_ANALYSIS\_FT

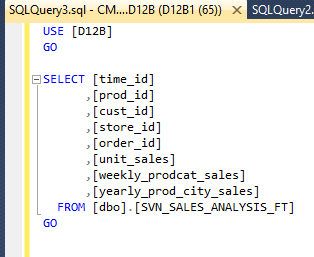
CREATE TO



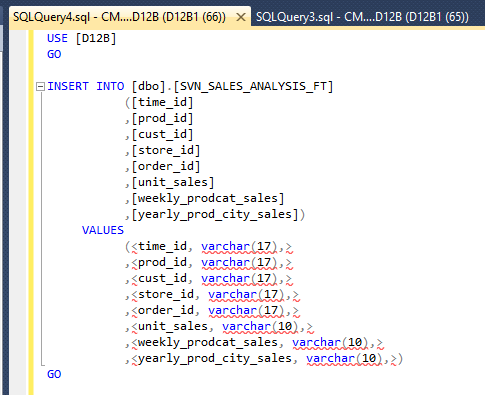
SELECT TO



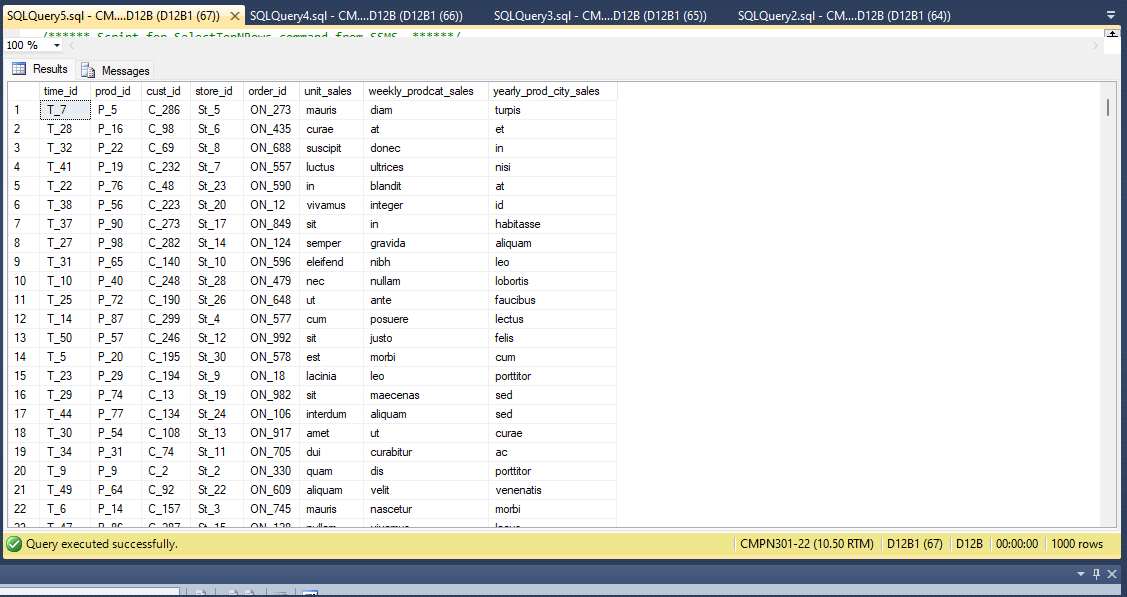
INSERT TO



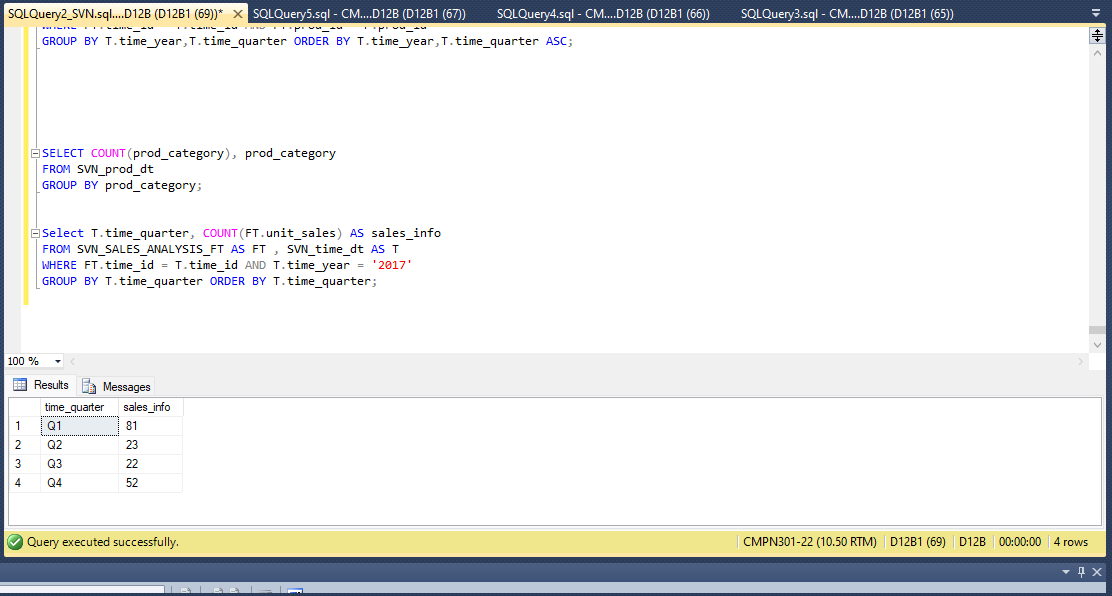
INSERT TO



SELECT TOP 1000 ROWS



Slice



SELECT COUNT(prod\_category), prod\_category

FROM SVN\_prod\_dt

GROUP BY prod\_category;

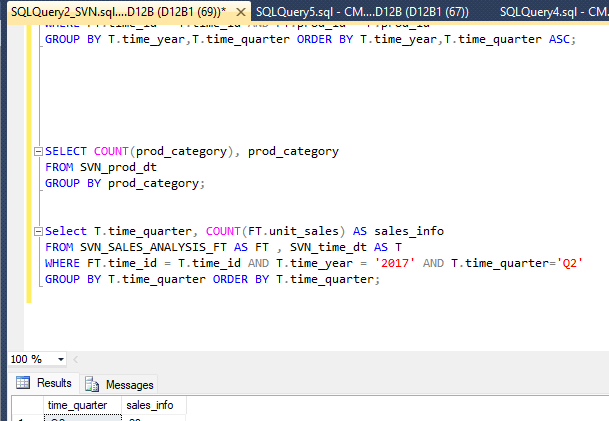
Select T.time\_quarter, COUNT(FT.unit\_sales) AS sales\_info

FROM SVN\_SALES\_ANALYSIS\_FT AS FT , SVN\_time\_dt AS T

WHERE FT.time\_id = T.time\_id AND T.time\_year = '2017'

GROUP BY T.time\_quarter ORDER BY T.time\_quarter;

Dice :



Select T.time\_quarter, COUNT(FT.unit\_sales) AS sales\_info

FROM SVN\_SALES\_ANALYSIS\_FT AS FT , SVN\_time\_dt AS T

WHERE FT.time\_id = T.time\_id AND T.time\_year = '2017' AND T.time\_quarter='Q2'

GROUP BY T.time\_quarter ORDER BY T.time\_quarter;

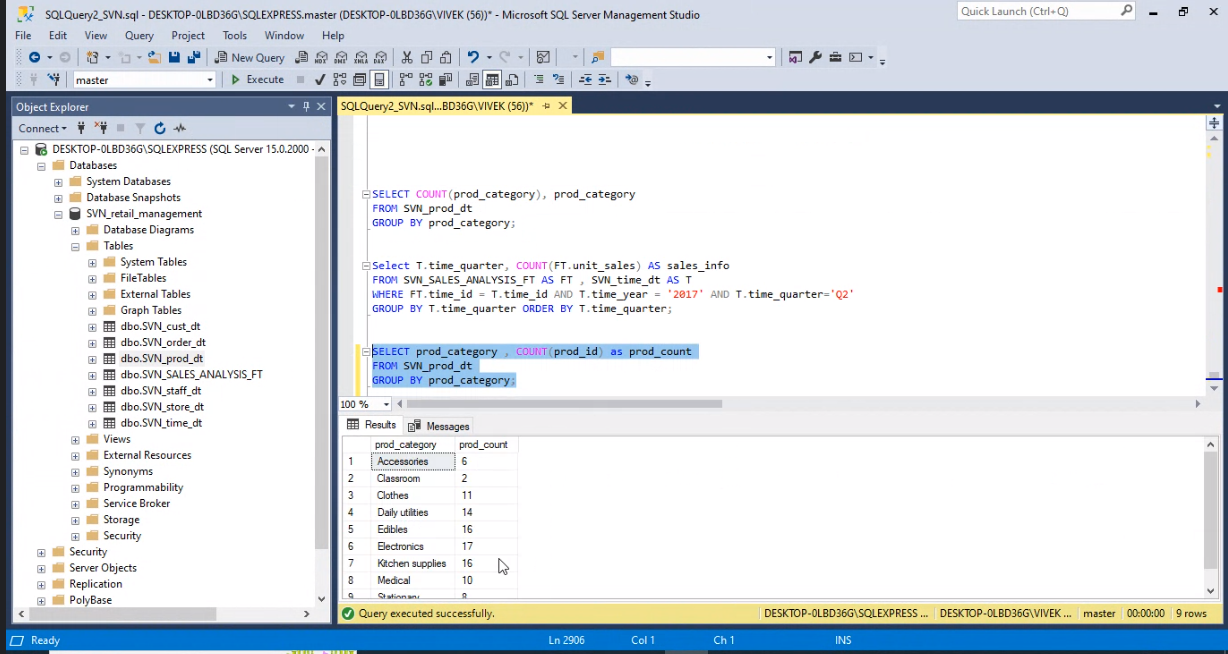
………………………………………………………………………………………………………………………………………………………………………………

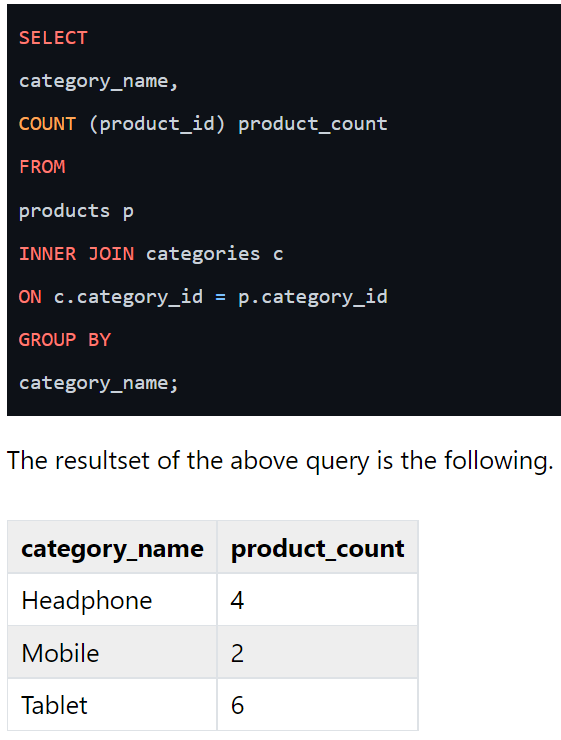
SELECT prod\_category , COUNT(prod\_id) as No\_of\_products

FROM SVN\_prod\_dt

GROUP BY prod\_category;

// ek category mei kitne prods hai







SELECT \* FROM

(

SELECT prod\_category, prod\_id, COUNT(prod\_id) FROM SVN\_prod\_dt)

temp\_table

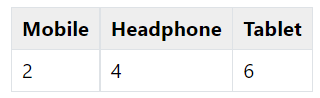
PIVOT (

COUNT (prod\_id) FOR prod\_category IN

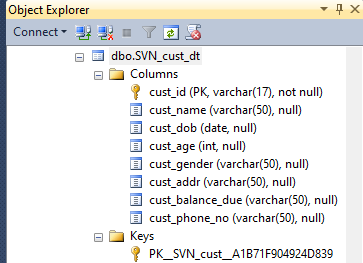
(Stationary, Electronics, Clothes, Accessories, Edibles, Medical, Classroom, Daily utilities, Kitchen supplies)

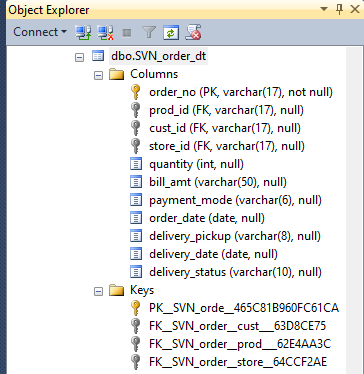
)

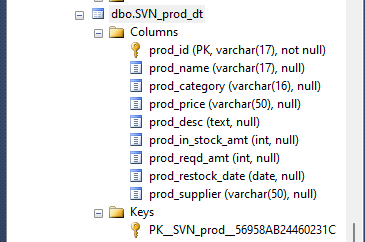
Pivot\_table;

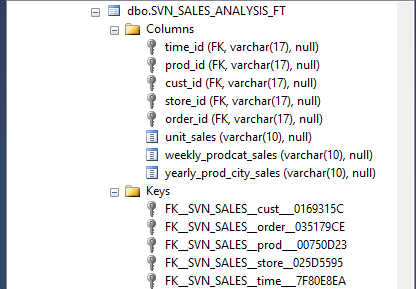


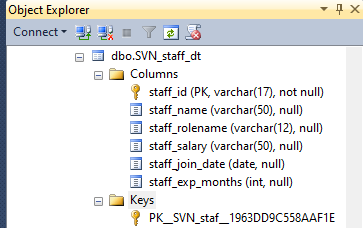
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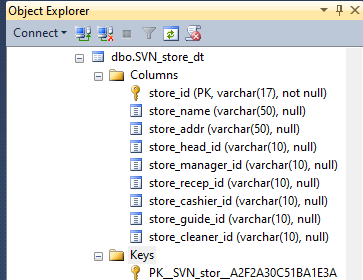


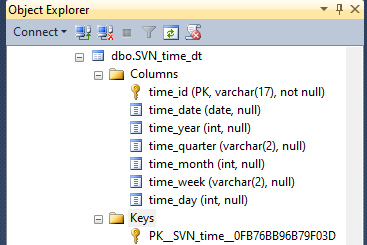












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