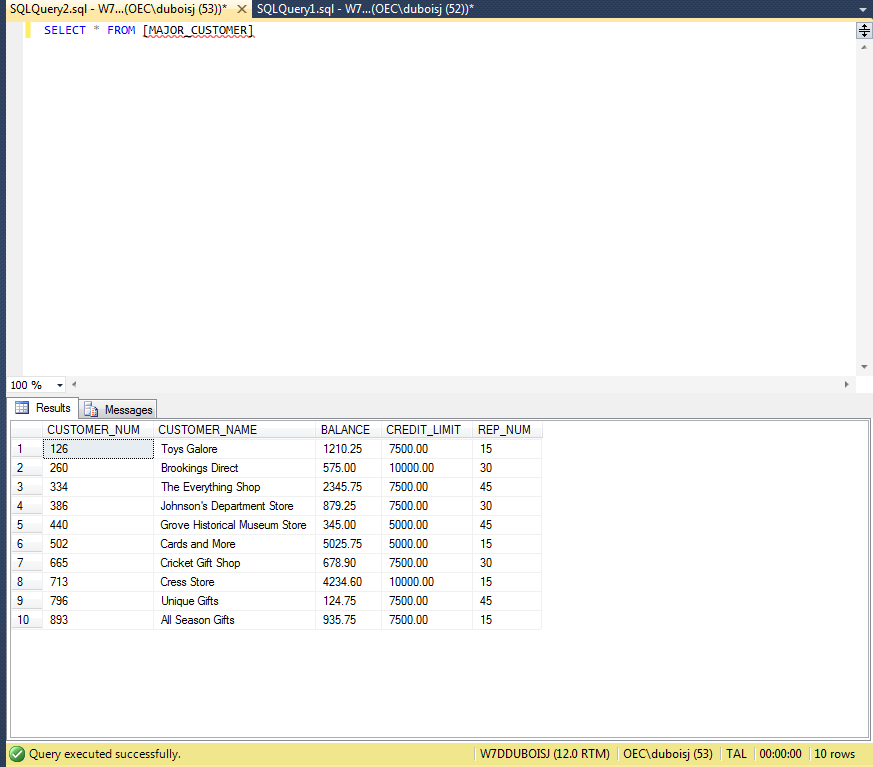
**1A.** CREATE VIEW MAJOR\_CUSTOMER AS

SELECT CUSTOMER.CUSTOMER\_NUM, CUSTOMER.CUSTOMER\_NAME,CUSTOMER.BALANCE, Customer.CREDIT\_LIMIT, CUSTOMER.REP\_NUM

FROM CUSTOMER

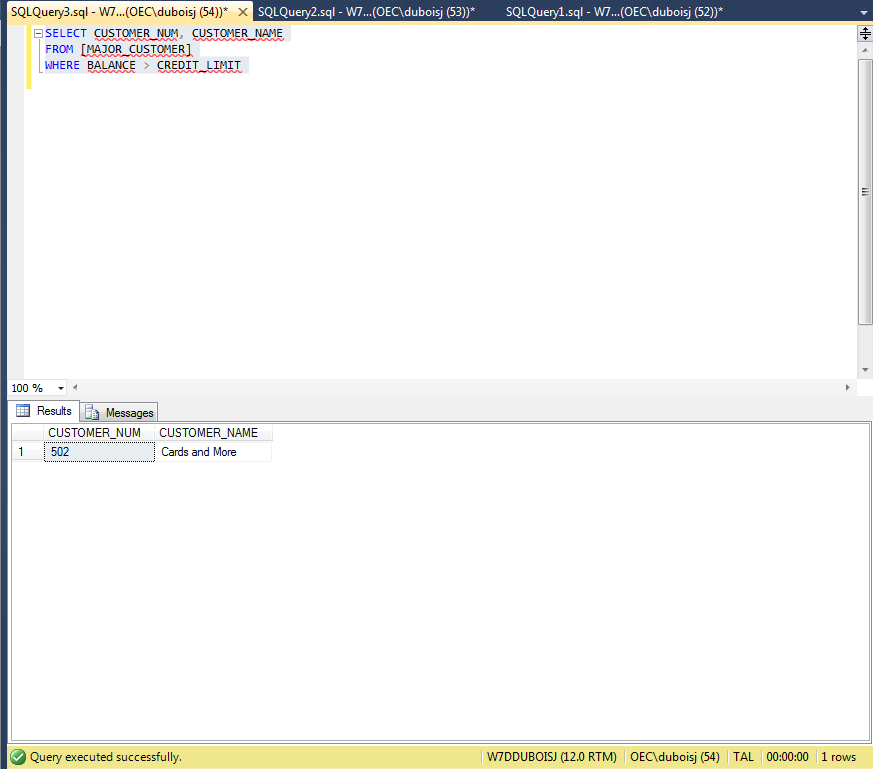
WHERE CUSTOMER.CREDIT\_LIMIT <= '10000'



1b. SELECT CUSTOMER\_NUM, CUSTOMER\_NAME

FROM [MAJOR\_CUSTOMER]

WHERE BALANCE > CREDIT\_LIMIT

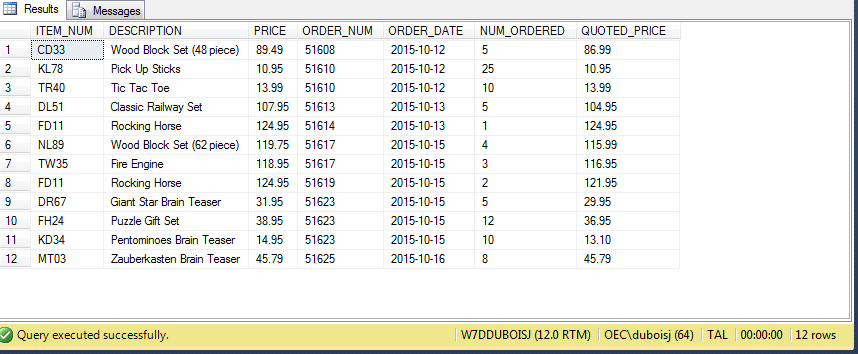


2a. CREATE VIEW ITEM\_ORDER AS

SELECT ITEM.ITEM\_NUM, ITEM.DESCRIPTION, ITEM.PRICE, ORDERS.ORDER\_NUM, ORDERS.ORDER\_DATE, ORDER\_LINE.NUM\_ORDERED, ORDER\_LINE.QUOTED\_PRICE

FROM ITEM, ORDERS, ORDER\_LINE

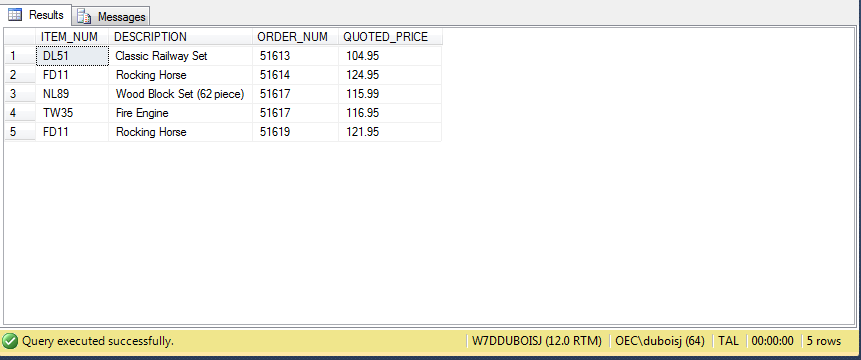
WHERE ORDERS.ORDER\_NUM=ORDER\_LINE.ORDER\_NUM AND ITEM.ITEM\_NUM=ORDER\_LINE.ITEM\_NUM;



2b. SELECT ITEM\_NUM, DESCRIPTION, ORDER\_NUM, QUOTED\_PRICE

FROM [ITEM\_ORDER]

WHERE QUOTED\_PRICE > '100'



3a. CREATE VIEW [ORDER\_TOTAL] AS

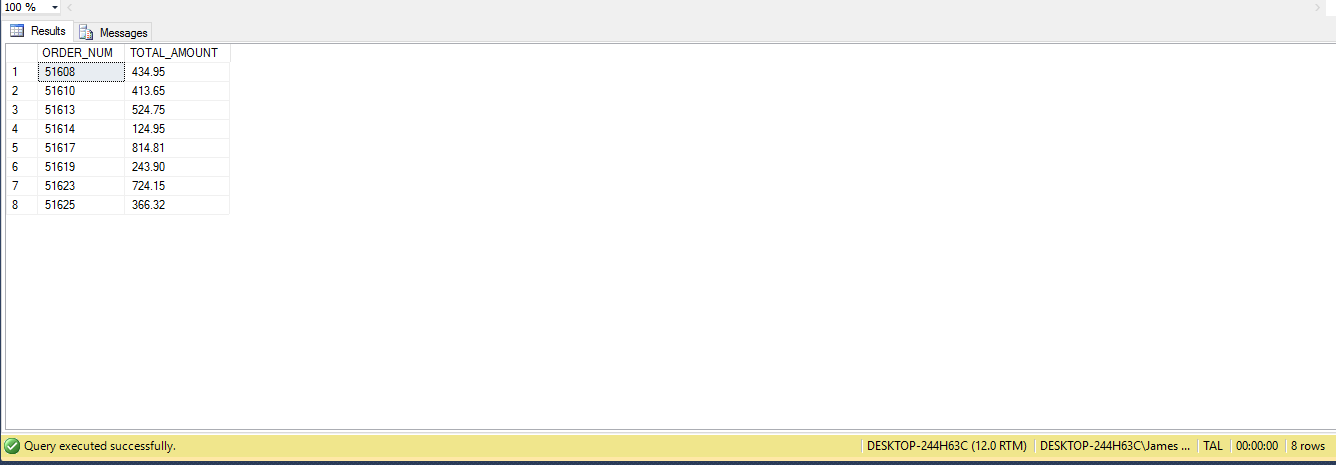
SELECT top 100 O.ORDER\_NUM, sum(OL.NUM\_ORDERED \* OL.QUOTED\_PRICE) as TOTAL\_AMOUNT

FROM ORDERS O

INNER JOIN ORDER\_LINE OL

ON O.ORDER\_NUM = OL.ORDER\_NUM

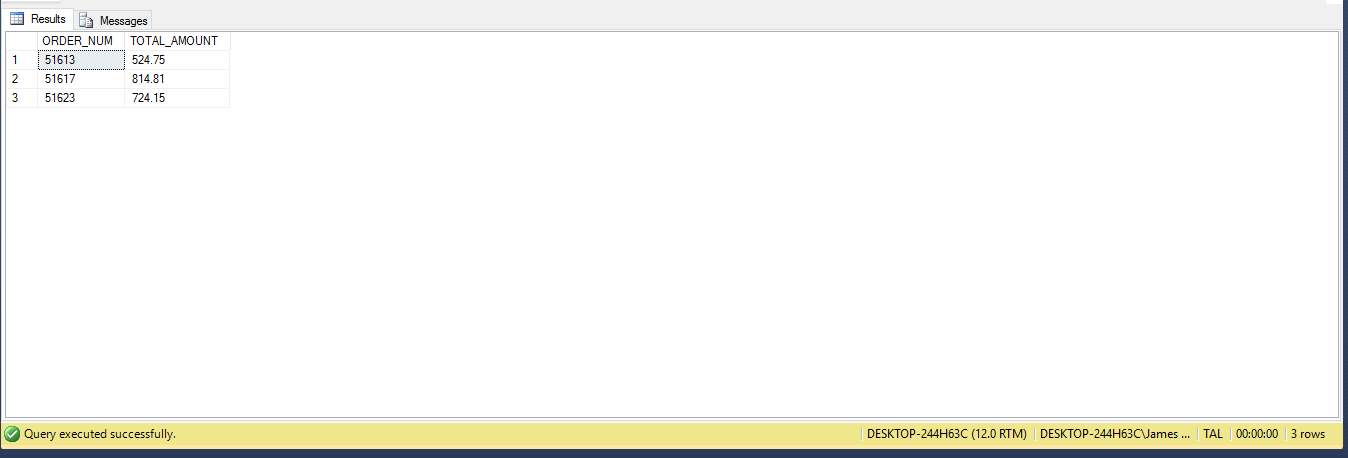
GROUP BY O.ORDER\_NUM



3b. SELECT ORDER\_NUM, TOTAL\_AMOUNT

FROM [ORDER\_TOTAL]

WHERE TOTAL\_AMOUNT > 500



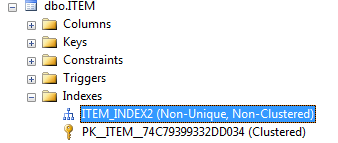
6a. CREATE INDEX ITEM\_INDEX1

ON ORDER\_LINE (ITEM\_NUM)



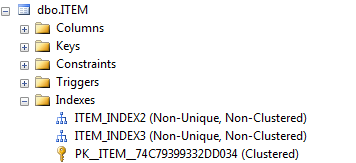
6b. CREATE INDEX ITEM\_INDEX2

ON ITEM (CATEGORY)



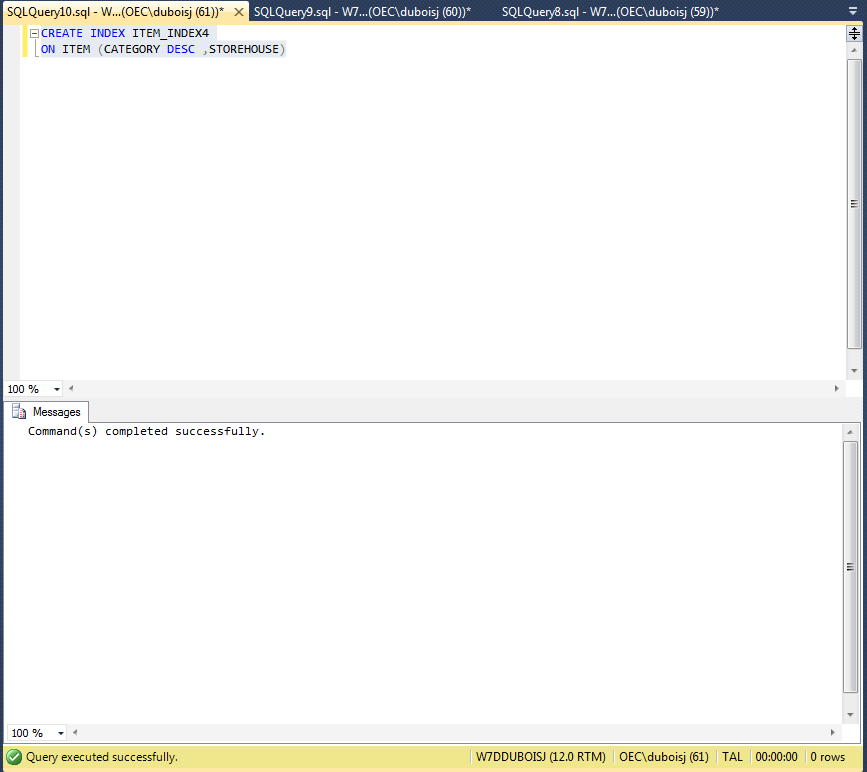
6c. CREATE INDEX ITEM\_INDEX3

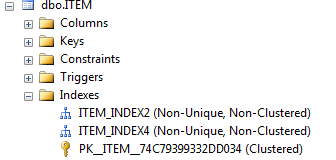
ON ITEM (CATEGORY,STOREHOUSE)



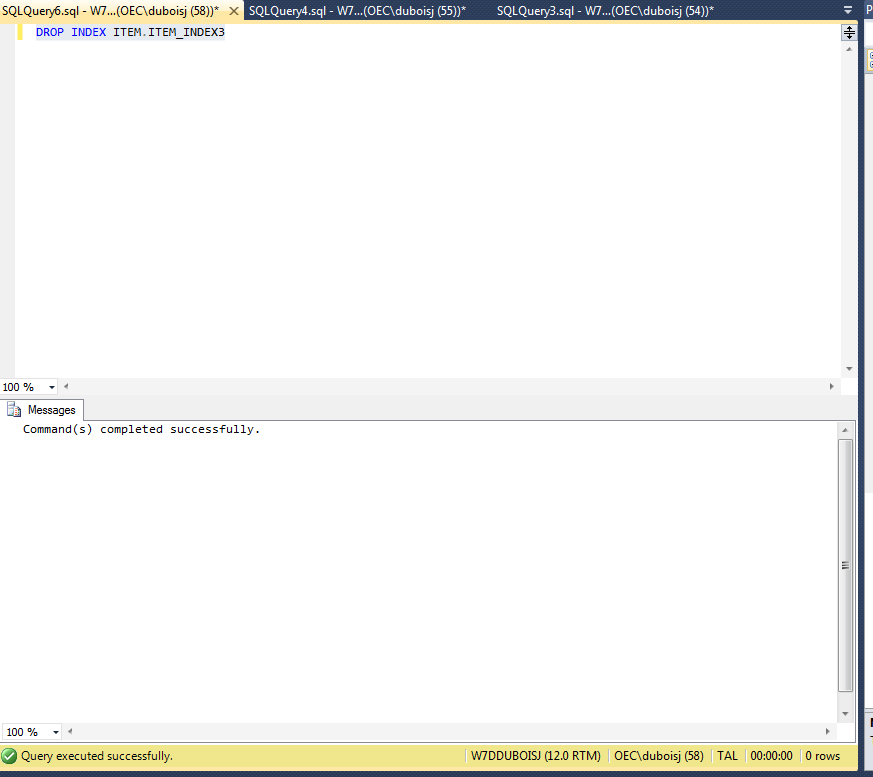
6d. CREATE INDEX ITEM\_INDEX4

ON ITEM (CATEGORY DESC ,STOREHOUSE)





7. DROP INDEX ITEM.ITEM\_INDEX3

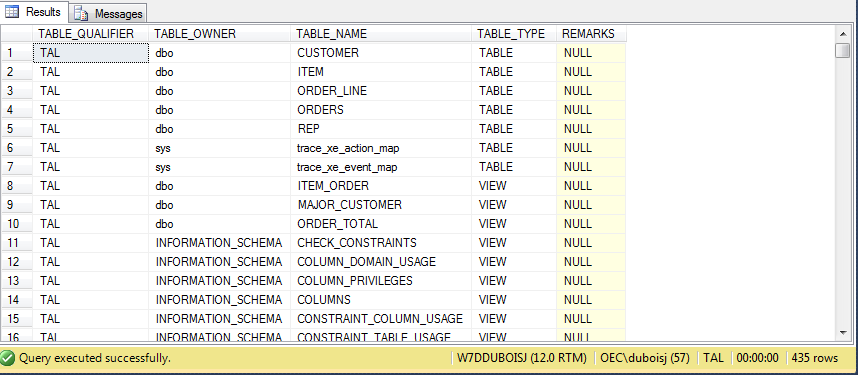


8a. USE TAL;

GO

EXEC sp\_tables ;

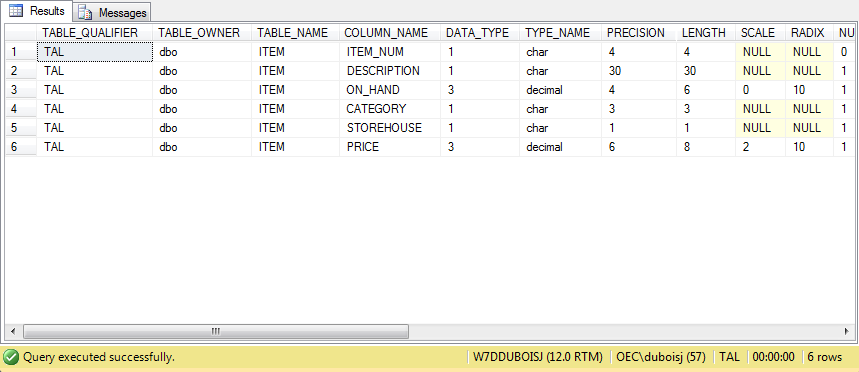
GO



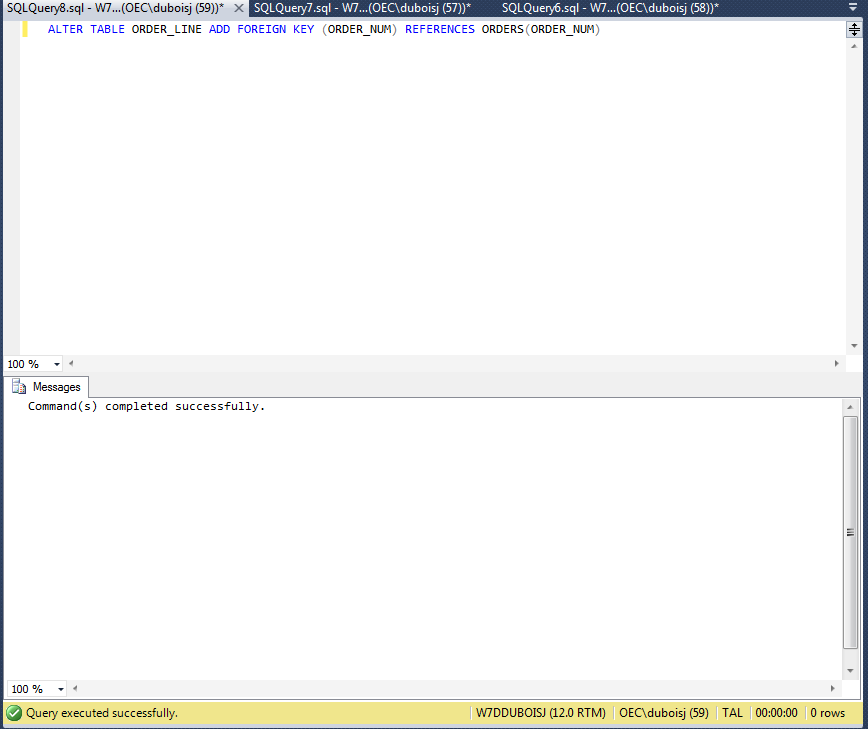
8b.

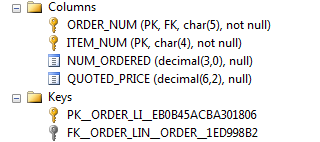
USE TAL

exec sp\_columns ITEM



9. ALTER TABLE ORDER\_LINE ADD FOREIGN KEY (ORDER\_NUM) REFERENCES ORDERS(ORDER\_NUM)





10. ALTER TABLE CUSTOMER

ADD CHECK (CREDIT\_LIMIT in (5000, 7500, 10000, 15000))

