```
-Theo mỗi  OrderID cho biết số lượng Quantity của mỗi ProductID chiếm tỷ lệ bao nhiêu phần trăm
      SELECT OrderId, Quantity, ProductId,
                 SUM (Quantity) OVER (PARTITION BY OrderId) AS TotalQuantity,
                 CAST (((1.0° Quantity)/(SUM(Quantity) OVER (PARTITION BY OrderId))*100)

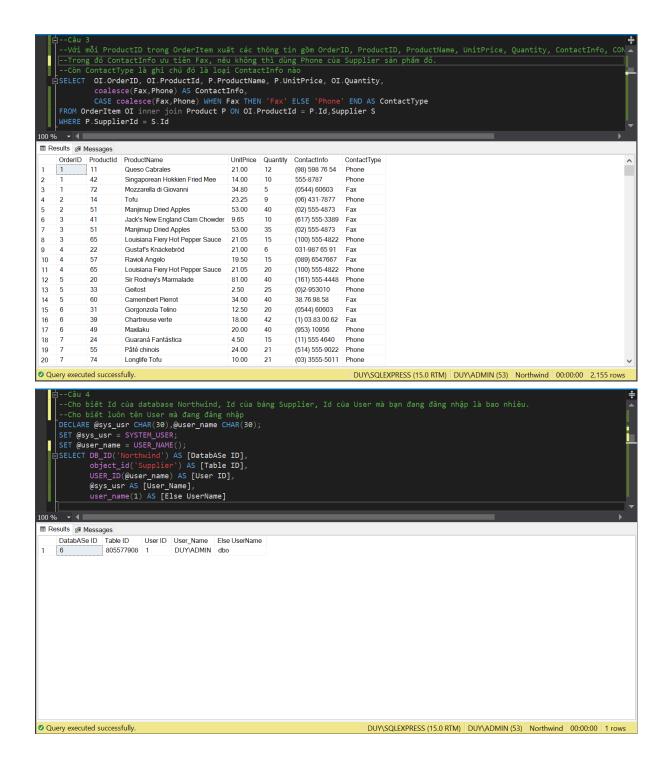
AS DECIMAL(6,2)) AS PercentofQuantity
      FROM OrderItem
OrderId Quantity
                        ProductId TotalQuantity PercentofQuantity
         12
     1
                         11
                                   27
                                                 44 44
               10
                        42
                                   27
                                                 37.04
                         72
      2
               9
                         14
                                   49
                                                 18.37
      2
               40
                        51
                                   49
                                                 81.63
               10
                                                 16.67
      3
               35
                        51
                                   60
                                                 58.33
      3
               15
                        65
                                   60
                                                 25.00
                        22
                                                 14.63
 10
      4
               15
                        57
                                   41
                                                 36.59
 11
      4
               20
                        65
                                   41
                                                 48.78
      5
               40
                                   105
                                                 38.10
 12
                        20
      5
               25
                        33
                                   105
                                                 23.81
 14
15
      5
               40
                        60
                                   105
                                                 38.10
      6
               20
                        31
                                   102
                                                 19.61
                        39
                                   102
                                                 41.18
 17
      6
               40
                        49
                                   102
                                                 39.22
 18
               15
                        24
                                   57
                                                 26.32
                         55
                                   57
 20
               21
                        74
                                   57
                                                 36 84
 21
      8
               20
                                   110
                                                 18.18
 22
                                                 31.82
Query executed successfully.
                                                                                                DUY\SQLEXPRESS (15.0 RTM) DUY\ADMIN (53) Northwind 00:00:00 2,155 rows
       --cau 2
--Xuất các hóa đơn kèm theo thông tin ngày trong tuần của hóa đơn là : Thứ 2, 3,4,5,6,7, Chủ Nhật
    ESELECT DATENAME(dw, OrderDate) AS [Day Name],*
      FROM [Order]
      WHERE DATENAME (dw, OrderDate)='MONday' or
DATENAME (dw, OrderDate)='Tuesday' or
DATENAME (dw, OrderDate)='Wednesday' or
DATENAME (dw, OrderDate)='Thursday' or
DATENAME (dw, OrderDate)='Friday' or
              DATENAME (dw, OrderDate)='DATENAME (dw, OrderDate)='
              DATENAME (dw, OrderDate)=

        Day Name
        Id
        OrderDate

        Wednesday
        1
        2012-07-04

                                               OrderNumber CustomerId TotalAmount
                       2012-07-04 00:00:00.000 542378
      Thursday
                       2012-07-05 00:00:00.000 542379
                                                             79
                                                                          1863 40
                  3
                       2012-07-08 00:00:00.000
                                               542380
                                                                          1813.00
3
      Sunday
                       2012-07-08 00:00:00.000
                                               542381
                                                                          670.80
      Sunday
      Monday
                   5
                       2012-07-09 00:00:00.000
                                               542382
                                                             76
                                                                         3730 00
                       2012-07-10 00:00:00.000
6
      Tuesday
                                               542383
                                                             34
                                                                          1444.80
      Wednesday 7
                       2012-07-11 00:00:00.000
                                               542384
                                                                          625.20
      Thursday
                  8
                       2012-07-12 00:00:00.000
                                               542385
                                                             68
                                                                         2490.50
                       2012-07-15 00:00:00.000 542386
                                                                         517.80
      Sunday
                                                             88
                       2012-07-16 00:00:00.000
                                               542387
                                                                          1119.90
      Monday
 11
      Tuesday
                   11 2012-07-17 00:00:00.000 542388
                                                             20
                                                                         2018.60
      Wednesday 12 2012-07-18 00:00:00.000 542389
                                                                          100.80
 12
                                                             13
                       2012-07-19 00:00:00.000
                                               542390
                                                                          1746.20
      Thursday
 13
 14
      Thursday
                   14 2012-07-19 00:00:00.000
                                               542391
                                                             61
                                                                         448.00
                   15 2012-07-22 00:00:00.000 542392
 15
      Sunday
                                                             65
                                                                         624.80
                   16 2012-07-23 00:00:00.000
                                               542393
                                                             20
                                                                          2464.80
 16
      Monday
 17
      Tuesday
                   17 2012-07-24 00:00:00.000 542394
                                                             24
                                                                          724 50
                                                                         1176.00
 18
      Wednesday 18 2012-07-25 00:00:00.000 542395
                                                                                                  DUY\SQLEXPRESS (15.0 RTM) | DUY\ADMIN (53) | Northwind | 00:00:00 | 830 rows

    Query executed successfully.
```



```
.ab04.sql - D...d (DUY\ADMIN (53))* 🙃 🗙
    --Cho biết các thông tin user_update, user_seek, user_scan
--và user_lookup trên báng Order trong database Northwind
ESELECT [TableName]=OBJECT_NAME(object_id),
    user_updates, user_seeks, user_scans, user_lookups
FROM sys.dm_db_index_usage_stats AS SIUS
WHERE database_id=DB_ID('Northwind') and OBJECT_NAME(object_id)='Order'
100 %
 | TableName | user_updates | user_seeks | user_scans | user_lookups | 1 | Order | 0 | 0 | 3 | 0 |
Query executed successfully.
                                                                                                                                              DUY\SQLEXPRESS (15.0 RTM) | DUY\ADMIN (53) | Northwind | 00:00:00 | 1 rows
         --Cau o WITH phân chia cây như sau : Mức 0 là các Quốc Gia(Country), mức 1 là các Thành Phố
--(City) thuộc Country đó, và mức 2 là các Hóa Đơn (Order) thuộc khách hàng từ Country-City đó
with OrderCategory(Country, City, OrderNumber, alevel)
   ⊟wit
||AS
                SELECT distinct Country,

City = cASt('' AS NVARCHAR(255)),

OrderNumber = cASt('' AS NVARCHAR(255)),
               alevel
FROM Supplier,[Order]
                                              alevel = 0
               SELECT C.Country,
City = cAst(C.City AS NVARCHAR(255)),
OrderNumber = cAst('' AS NVARCHAR(255)),
alevel = OC.alevel + 1
OC.alevel + 1
OC.alevel + 1
OC.alevel + 1
               FROM OrderCategory OC inner join Customer C ON OC.Country = C.Country WHERE OC.alevel = 0
                UNION all
               SELECT C.Country,
City = cASt(C.City AS NVARCHAR(255)),
OrderNumber = cASt(O.OrderNumber AS NVARCHAR(255)),
alevel = OC.alevel + 1
                FROM OrderCategory OC inner join Customer C
ON OC.Country = C.Country and OC.City = C.City inner join [Order]
AS O ON C.Id= O.CustomerId
                WHERE OC.alevel = 1
        SELECT [Quoc gia] = CASE WHEN alevel = 0 THEN Country ELSE '--' END,
[Thanh pho] = CASE WHEN alevel = 1 THEN City ELSE '----' END,
[Hoa don] = OrderNumber,
                      Cap = alevel
```

FROM OrderCategory
order BY Country, City, OrderNumber, alevel

