```
-Câu 1
□CREATE VIEW uvw_DetailProductInOrder
        SELECT OI.OrderId, O.OrderNumber, O.OrderDate, OI.ProductId,
                  P.ProductName + SPACE(1) + P.Package AS [ProductInfo],
                  OI.UnitPrice, OI.Quantity
        FROM OrderItem OI
               inner join [Order] O ON OI.OrderId = O.Id
               inner join Product P ON OI.ProductId = P.Id
□ CREATE VIEW uvw_AllProductInOrde
  SELECT OI.OrderId, O.OrderNumber, O.OrderDate,
                SELECT ',' + cast(ProductId AS nvarchar(max))
                FROM [OrderItem] OII
                WHERE OI OrderId = OII OrderId
                ),1,1,'') AS [ProductList],
                sum(Quantity*UnitPrice) AS TotalAmount
  FROM [OrderItem] OI inner join [Order] O ON OI.OrderId = O.Id
  GROUP BY OrderId, O. OrderNumber, O. OrderDate
  --Câu 2
⊫SELECT *
    FROM uvw_DetailProductInOrder
    WHERE MONTH(OrderDate)=7
UnitPrice Quantity
    OrderId OrderNumber OrderDate
                                       ProductId ProductInfo
         542378
                     2012-07-04 00:00:00.000 11
                                                Queso Cabrales 1 kg pkg.
                                                                                14.00
           542378
                     2012-07-04 00:00:00.000 42
                                                Singaporean Hokkien Fried Mee 32 - 1 kg pkgs. 9.80
           542378
                     2012-07-04 00:00:00 000 72
                                                Mozzarella di Giovanni 24 - 200 g pkgs.
                                                                                34.80
                                                                                        5
                     2012-07-05 00:00:00.000 14
           542379
                                                Tofu 40 - 100 q pkgs.
                                                                                18.60
           542379
                     2012-07-05 00:00:00.000 51
                                                Manjimup Dried Apples 50 - 300 g pkgs.
                                                                                42.40
           542380
                     2012-07-08 00:00:00.000 41
                                                Jack's New England Clam Chowder 12 - 12 oz...
                                                                                        10
           542380
                     2012-07-08 00:00:00.000 51
                                                Manimup Dried Apples 50 - 300 g pkgs.
                                                                                42.40
                                                                                       35
                                                Louisiana Fiery Hot Pepper Sauce 32 - 8 oz b...
                     2012-07-08 00:00:00.000 65
           542380
                                                                                16.80
                                                                                        15
           542381
                     2012-07-08 00:00:00.000 22
                                                Gustaf's Knäckebröd 24 - 500 g pkgs.
10
           542381
                     2012-07-08 00:00:00 000 57
                                                Ravioli Angelo 24 - 250 g pkgs.
                                                                                15 60
                                                                                        15
                     2012-07-08 00:00:00.000 65
                                               Louisiana Fiery Hot Pepper Sauce 32 - 8 oz b...
11
           542381
                                                                                16.80
                                                                                       20
           542382
                     2012-07-09 00:00:00.000 20
                                                Sir Rodney's Marmalade 30 gift boxes
                                                                                64.80
                                                                                       40
12
           542382
                     2012-07-09 00:00:00.000 33
                                                Geitost 500 g
                                                                                2.00
```

Camembert Pierrot 15 - 300 g rounds

Guaraná Fantástica 12 - 355 ml cans

Gorgonzola Telino 12 - 100 g pkgs

Chartreuse verte 750 cc per bottle

Pâté chinois 24 boxes x 2 pies

Maxilaku 24 - 50 g pkgs.

Longlife Tofu 5 kg pkg.

Chang 24 - 12 oz bottles Pavlova 32 - 500 g boxes

Inlagd Sill 24 - 250 g jars

Raclette Courdavault 5 kg pkg.

27.20

10.00

16.00

3.60

19.20

15.20

13.90

44.00

8.00

40

20

40

15

20

35

DUY\SQLEXPRESS (15.0 RTM) DUY\ADMIN (58) Northwind 00:00:00 136 rows

14

15

17

18

19

21

22

23

542382

542383

542383

542383

542384

542384

542384

542385

542385

542385

542385

Query executed successfully.

2012-07-09 00:00:00.000 60

2012-07-10 00:00:00.000 31

2012-07-10 00:00:00.000 39

2012-07-10 00:00:00.000 49

2012-07-11 00:00:00.000 24

2012-07-11 00:00:00.000 55

2012-07-11 00:00:00.000 74

2012-07-12 00:00:00.000 2

2012-07-12 00:00:00.000 16

2012-07-12 00:00:00.000 36

2012-07-12 00:00:00.000 59

```
FROM uvw_AllProductInOrde AS viewOutside
      WHERE (SELECT LEN(ProductList) - LEN(REPLACE(ProductList, ',', ''))
FROM uvw_AllProductInOrde AS viewInside
              WHERE viewInside.OrderId = viewOutside.OrderId) >= 2
OrderId OrderNumber
         542378
                            2012-07-04 00:00:00 000 11.42.72
                                                                 440.00
              542380
                            2012-07-08 00:00:00.000 41,51,65
                                                                 1813.00
              542381
                            2012-07-08 00:00:00.000 22,57,65
                                                                 670.80
              542382
                            2012-07-09 00:00:00 000 20 33 60
                                                                 3730 00
              542383
                            2012-07-10 00:00:00.000 31,39,49
                                                                 1444.80
      6
              542384
                            2012-07-11 00:00:00.000 24,55,74
                                                                 625.20
              542385
                            2012-07-12 00:00:00.000 2,16,36,59
                                                                 2490.50
                            2012-07-16 00:00:00.000 27,39,77
      10
              542387
                                                                 1119.90
8
              542388
                            2012-07-17 00:00:00.000 2,5,32
                                                                 2018.60
 10
      13
              542390
                            2012-07-19 00:00:00.000 41,57,62,70
                                                                 1746.20
 11
      15
              542392
                            2012-07-22 00:00:00 000 5 7 56
                                                                 624 80
      16
              542393
                            2012-07-23 00:00:00.000 16,24,30,74
                                                                 2464.80
 12
 13
              542397
                            2012-07-29 00:00:00.000 40,59,76
                                                                 4031.00
 14
      25
              542402
                            2012-08-02 00:00:00.000 20.31.72
                                                                 1456.00
                            2012-08-05 00:00:00.000 10,31,33,40,76 2142.40
 15
      26
              542403
      31
              542408
                            2012-08-12 00:00:00.000 44,59,63,73
                                                                 1488.80
 16
 17
      33
              542410
                            2012-08-14 00:00:00.000 24,55,75
                                                                 613.20
 18
      34
              542411
                            2012-08-14 00:00:00 000 19 24 35
                                                                 86.50
 19
      36
              542413
                            2012-08-16 00:00:00.000 15,19,60,72
                                                                 1414.80
      37
              542414
                            2012-08-19 00:00:00.000 27,44,60,67
                                                                 1452.00
 20
21
      38
              542415
                            2012-08-20 00:00:00 000 140 53
                                                                 2179 20
     40
              542417
                           2012-08-22 00:00:00.000 16.34.46
                                                                 924.00
22
```

```
D-- Câu 4
-- 2 VIEW tren chua readonly
-- lay bang uww_DetailProductInOrder lam mau readonly
-- (tuong tu voi bang uww_AllProductInOrder_trigger
ON uww_DetailProductInOrder_trigger
ON uww_DetailProductInOrder
INSTEAD OF INSERT, UPDATE, DELETE
AS
BEGIN
RAISERROR('You are not allowed to insert, update, delete through this VIEW',16,1)
END

Messages
Commands completed successfully.
Completion time: 2022-05-16T13:33:20.9101023+07:00

DUY\SQLEXPRESS (15.0 RTM) | DUY\ADMIN (58) | Northwind | 00.00.00 | 0 rows
```

```
-- Câu 4.2

CREATE VIEW uvw_DetailProductInOrder_B

AS

SELECT OI.OrderId, O.OrderNumber, O.OrderDate, OI.ProductId,
P.ProductName + SPACE(1) + P.Package AS [ProductInfo],
OI.UnitPrice, OI.Quantity
FROM OrderItem OI
inner join [Order] O ON OI.OrderId = O.Id
inner join Product P ON OI.ProductId = P.Id
UNION
SELECT null, null, null, null, null, null, null where 1 = 0;
60
-- Câu 4.3

Massages

Commands completed successfully.

Completion time: 2022-05-16T13:35:46.5171101+07:00
```



