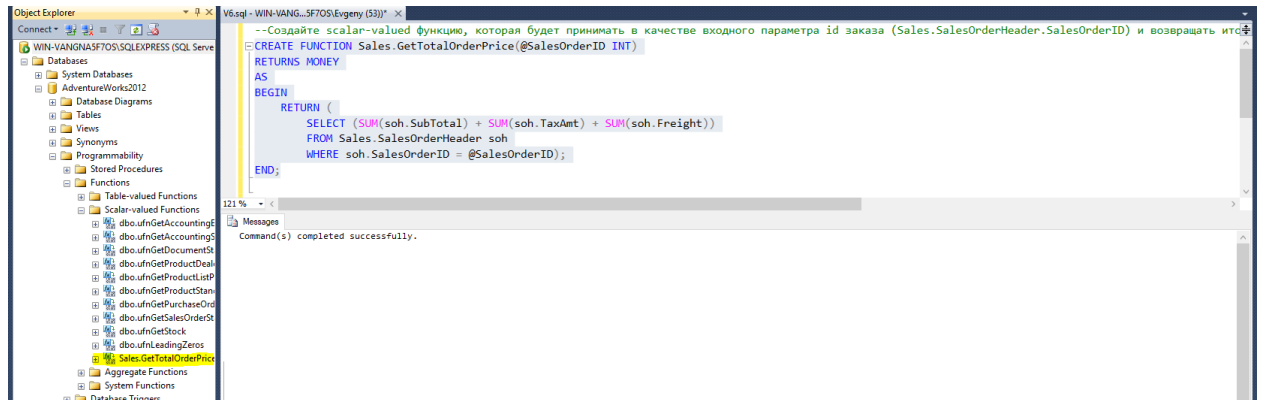


Отчет ЛР 5

Тимохов Евгений, 751001, вариант 6

Создайте scalar-valued функцию, которая будет принимать в качестве входного параметра id заказа (Sales.SalesOrderHeader.SalesOrderID) и возвращать итоговую сумму для заказа (сумма по полям SubTotal, TaxAmt, Freight).



Создайте inline table-valued функцию, которая будет принимать в качестве входного параметра id заказа на производство (Production.WorkOrder.WorkOrderID), а возвращать детали заказа из Production.WorkOrderRouting.



Вызовите функцию для каждого заказа, применив оператор CROSS APPLY. Вызовите функцию для каждого заказа, применив оператор OUTER APPLY.

--Вызовите функцию для каждого заказа, применив оператор CROSS APPLY. Вызовите функцию для каждого заказа, применив оператор OUTER APPLY.

```

SELECT * FROM Production.WorkOrder CROSS APPLY Production.GetOrderDetails(WorkOrderID);
SELECT * FROM Production.WorkOrder OUTER APPLY Production.GetOrderDetails(WorkOrderID);

```

WorkOrderID	ProductID	OrderQty	StockedQty	ScrappedQty	StartDate	EndDate	DueDate	ScrapReasonID	ModifiedDate	WorkOrderID	ProductID	OperationSequence	LocationID
13	747	4	4	0	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-20 00:00:00.000	13	747	1	10
13	747	4	4	0	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-20 00:00:00.000	13	747	2	20
13	747	4	4	0	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-20 00:00:00.000	13	747	3	30
13	747	4	4	0	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-20 00:00:00.000	13	747	4	40
13	747	4	4	0	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-20 00:00:00.000	13	747	6	50
13	747	4	4	0	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-20 00:00:00.000	13	747	7	60
14	748	2	2	0	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-20 00:00:00.000	14	748	1	10
14	748	2	2	0	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-20 00:00:00.000	14	748	2	20

WorkOrderID	ProductID	OrderQty	StockedQty	ScrappedQty	StartDate	EndDate	DueDate	ScrapReasonID	ModifiedDate	WorkOrderID	ProductID	OperationSequence	LocationID
1	722	8	8	0	2005-07-04 00:00:00.000	2005-07-14 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-14 00:00:00.000	NULL	NULL	NULL	NULL
2	725	15	15	0	2005-07-04 00:00:00.000	2005-07-14 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-14 00:00:00.000	NULL	NULL	NULL	NULL
3	726	9	9	0	2005-07-04 00:00:00.000	2005-07-14 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-14 00:00:00.000	NULL	NULL	NULL	NULL
4	729	16	16	0	2005-07-04 00:00:00.000	2005-07-14 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-14 00:00:00.000	NULL	NULL	NULL	NULL
5	730	14	14	0	2005-07-04 00:00:00.000	2005-07-14 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-14 00:00:00.000	NULL	NULL	NULL	NULL
6	732	16	16	0	2005-07-04 00:00:00.000	2005-07-14 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-14 00:00:00.000	NULL	NULL	NULL	NULL
7	733	4	4	0	2005-07-04 00:00:00.000	2005-07-14 00:00:00.000	2005-07-15 00:00:00.000	NULL	2005-07-14 00:00:00.000	NULL	NULL	NULL	NULL

Query executed successfully. WIN-VANGNA5F70S\SQLEXPRESS ... WIN-VANGNA5F70S\Evgeny... AdventureWorks2012 | 00:00:01 | 164228 rows

Измените созданную inline table-valued функцию, сделав ее multistatement table-valued (предварительно сохранив для проверки код создания inline table-valued функции).

Object Explorer

WIN-VANGNA5F70S\SQLEXPRESS (SQL Serve)

- Databases
 - System Databases
 - AdventureWorks2012
 - Database Diagrams
 - Tables
 - Views
 - Synonyms
 - Programmability
 - Stored Procedures
 - Functions
 - Table-valued Functions
 - dbo.ufnGetContactInfo
 - Production.GetOrderDetails**
 - Scalar-valued Functions
 - dbo.ufnGetAccountingG
 - dbo.ufnGetAccountingG
 - dbo.ufnGetDocumentSt
 - dbo.ufnGetProductDeal
 - dbo.ufnGetProductListP
 - dbo.ufnGetProductStam
 - dbo.ufnGetPurchaseOrd
 - dbo.ufnGetSalesOrderSt
 - dbo.ufnGetStock
 - dbo.ufnLeadingZeros
 - Sales.GetTotalOrderPrice
 - Aggregate Functions
 - System Functions
 - Database Triggers
 - Assemblies
 - Types
 - Rules
 - Defaults
 - Sequences
 - Service Broker

V6.sql - WIN-VANG...5F70S\Evgeny (53) x

```

CREATE FUNCTION Production.GetOrderDetails(@WorkOrderID int)
RETURNS @Details TABLE
(
    WorkOrderID INT NOT NULL,
    ProductID INT NOT NULL,
    OperationSequence SMALLINT NOT NULL,
    LocationID SMALLINT NOT NULL,
    ScheduledStartDate DATETIME NOT NULL,
    ScheduledEndDate DATETIME NOT NULL,
    ActualStartDate DATETIME NULL,
    ActualEndDate DATETIME NULL,
    ActualResourceHrs DECIMAL(9, 4) NULL,
    PlannedCost MONEY NOT NULL,
    ActualCost MONEY NULL,
    ModifiedDate DATETIME NOT NULL
) AS
BEGIN
    INSERT INTO @Details
    SELECT
        WorkOrderID,
        ProductID,
        OperationSequence,
        LocationID,
        ScheduledStartDate,
        ScheduledEndDate,
        ActualStartDate,
        ActualEndDate,
        ActualResourceHrs,
        PlannedCost,
        ActualCost,
        ModifiedDate

```

121 %

Messages

Command(s) completed successfully.