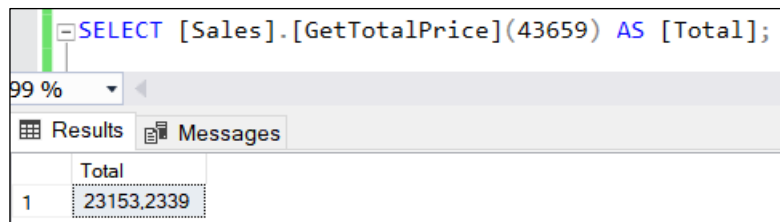
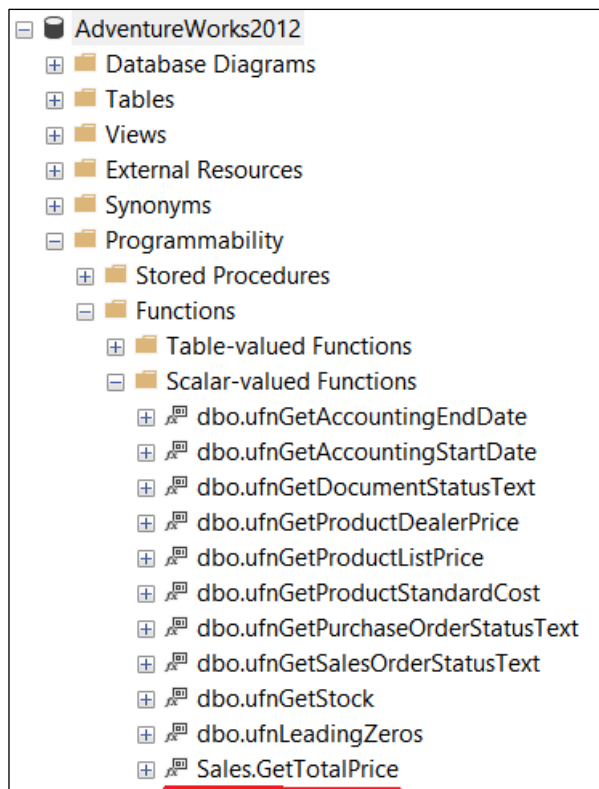


Лабораторная работа №5

Вариант 6

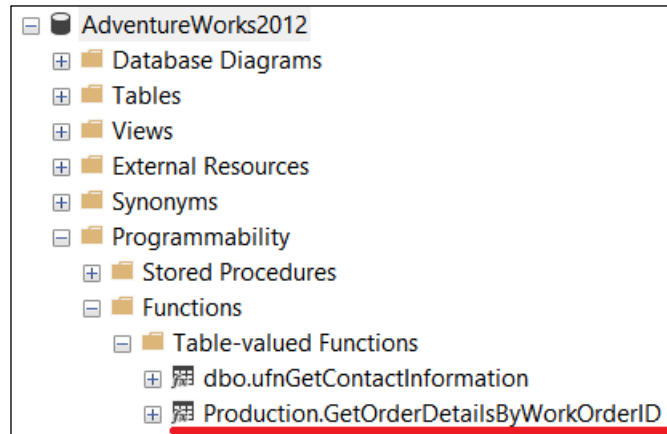
Задание 1.1

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).



Задание 1.2

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.



99 %

SELECT * FROM [Production].[GetOrderDetailsByWorkOrderID](13);

Results Messages

	WorkOrderID	ProductID	OperationSequence	LocationID	ScheduledStartDate	ScheduledEndDate	ActualStartDate	ActualEndDate	ActualResourceHrs	PlannedCost	ActualCost	Mo
1	13	747	1	10	2005-07-04 00:00:00.000	2005-07-15 00:00:00.000	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	4.1000	92.25	92.25	20
2	13	747	2	20	2005-07-04 00:00:00.000	2005-07-15 00:00:00.000	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	3.5000	87.50	87.50	20
3	13	747	3	30	2005-07-04 00:00:00.000	2005-07-15 00:00:00.000	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	1.0000	14.50	14.50	20
4	13	747	4	40	2005-07-04 00:00:00.000	2005-07-15 00:00:00.000	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	2.0000	31.50	31.50	20
5	13	747	6	50	2005-07-04 00:00:00.000	2005-07-15 00:00:00.000	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	3.0000	36.75	36.75	20
6	13	747	7	60	2005-07-04 00:00:00.000	2005-07-15 00:00:00.000	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	4.0000	49.00	49.00	20

Query executed successfully. MSI\SQLSERVER2017 (14.0 RTM) MSI\Денис (52) AdventureWorks2012 00:00:00 6 rows

Задание 1.3

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

99 %

Results Messages

	WorkOrderID	ProductID	OrderQty	StockedQty	ScrappedQty	StartDate	EndDate	DueDate	ScrapReasonID	ModifiedDate	WorkOrderID	ProductID
1	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	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	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	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
5	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	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	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
8	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

Query executed successfully. MSI\SQLSERVER2017 (14.0 RTM) MSI\Денис (52) AdventureWorks2012 00:00:01 67 131 rows

99 %

Results Messages

	WorkOrderID	ProductID	OrderQty	StockedQty	ScrappedQty	StartDate	EndDate	DueDate	ScrapReasonID	ModifiedDate	WorkOrderID	ProductID
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	8	738	19	19	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

Query executed successfully. MSI\SQLSERVER2017 (14.0 RTM) MSI\Денис (52) AdventureWorks2012 00:00:02 97 097 rows

Задание 1.4

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

SELECT * FROM [Production].[GetOrderDetailsByWorkOrderID](13);

99 %

Results

Messages

	WorkOrderID	ProductID	OperationSequence	LocationID	ScheduledStartDate	ScheduledEndDate	ActualStartDate	ActualEndDate	ActualResourceHrs	PlannedCost	ActualCost	MaterialCost
1	13	747	1	10	2005-07-04 00:00:00.000	2005-07-15 00:00:00.000	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	4.1000	92.25	92.25	20.00
2	13	747	2	20	2005-07-04 00:00:00.000	2005-07-15 00:00:00.000	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	3.5000	87.50	87.50	20.00
3	13	747	3	30	2005-07-04 00:00:00.000	2005-07-15 00:00:00.000	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	1.0000	14.50	14.50	20.00
4	13	747	4	40	2005-07-04 00:00:00.000	2005-07-15 00:00:00.000	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	2.0000	31.50	31.50	20.00
5	13	747	6	50	2005-07-04 00:00:00.000	2005-07-15 00:00:00.000	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	3.0000	36.75	36.75	20.00
6	13	747	7	60	2005-07-04 00:00:00.000	2005-07-15 00:00:00.000	2005-07-04 00:00:00.000	2005-07-20 00:00:00.000	4.0000	49.00	49.00	20.00

<

Query executed successfully.

MSI\SQLSERVER2017 (14.0 RTM)

MSI\Денис (52)

AdventureWorks2012

00:00:00

6 rows