

Чеснаков Кирилл 751002 Вариант 8

V8.sql - LAPTOP-H...84PQ7E9\Asus (56) x V8_2.sql - not connected

```
CREATE FUNCTION dbo.GetProductSubcategoryCount ( @ProductSubcategoryID INT )
RETURNS INT AS
BEGIN
    DECLARE @count INT
    SELECT @count = COUNT(*) FROM Production.Product
    WHERE ProductSubcategoryID = @ProductSubcategoryID
    IF (@count IS NULL)
        SET @count = 0;
    RETURN @count;
END

SELECT dbo.GetProductSubcategoryCount(1)

--SELECT * FROM Production.ProductSubCategory

--SELECT COUNT(Production.ProductSubcategory.ProductSubcategoryID), Production.ProductSubcategory.Name from Production.ProductSubcategory
--JOIN Production.Product
--ON Production.ProductSubcategory.ProductSubcategoryID = Production.Product.ProductSubcategoryID
--GROUP BY Production.ProductSubcategory.ProductSubcategoryID, Production.ProductSubcategory.Name
```

100 % <

Results Messages

(No column na...

1	32
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```
SELECT dbo.GetProductSubcategoryCount(1)

SELECT * FROM Production.ProductSubCategory

SELECT COUNT(Production.ProductSubcategory.ProductSubcategoryID), Production.ProductSubcategory.Name from Production.ProductSubcategory
JOIN Production.Product
ON Production.ProductSubcategory.ProductSubcategoryID = Production.Product.ProductSubcategoryID
GROUP BY Production.ProductSubcategory.ProductSubcategoryID, Production.ProductSubcategory.Name
```

100 % <

Results Messages

	ProductSubcategoryID	ProductCategoryID	Name	rowguid	ModifiedDate
1	1	1	Mountain Bikes	2D364ADE-264A-433C-B092-4FCBF3804E01	2002-06-01 00:00:00.000
2	2	1	Road Bikes	000310C0-BCC8-42C4-B0C3-45AE611AF06B	2002-06-01 00:00:00.000
3	3	1	Touring Bikes	02C5061D-ECDC-4274-B5F1-E91D76BC3F37	2002-06-01 00:00:00.000
4	4	2	Handlebars	3EF2C725-7135-4C85-9AE6-AE9A3BDD9283	2002-06-01 00:00:00.000
5	5	2	Bottom Brackets	A9E54089-8A1E-4CF5-8646-E3801F685934	2002-06-01 00:00:00.000
6	6	2	Brakes	D43BA4A3-EF0D-426B-90EB-4BE4547DD30C	2002-06-01 00:00:00.000
7	7	2	Chains	E93A7231-F16C-4B0F-8C41-C73FDEC62DA0	2002-06-01 00:00:00.000
8	8	2	Cranksets	4F644521-422B-4F19-974A-E3DF6102567E	2002-06-01 00:00:00.000

(No column na... Name

1	32	Mountain Bikes
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```
CREATE FUNCTION dbo.GetProductSubcategoryCountMoreThan1000 ( @ProductSubcategoryID INT )
RETURNS TABLE AS
RETURN (SELECT * FROM Production.Product
WHERE ProductSubcategoryID = @ProductSubcategoryID AND StandardCost > 1000.00)

SELECT * FROM Production.Product
CROSS APPLY dbo.GetProductSubcategoryCountMoreThan1000(ProductSubcategoryID);
```

100 % <

Results Messages

	ProductID	Name	ProductNum...	MakeFL...	FinishedGoodsF...	Color	SafetyStockLe...	ReorderP...	StandardC...	ListPrice	Size	SizeUnitMeasureC...	WeightUnitMeasure
1	680	HL Road Frame - Black, 58	FR-R92B-58	1	1	Black	500	375	1059.31	1431.50	58	CM	LB
2	680	HL Road Frame - Black, 58	FR-R92B-58	1	1	Black	500	375	1059.31	1431.50	58	CM	LB
3	706	HL Road Frame - Red, 58	FR-R92R-58	1	1	Red	500	375	1059.31	1431.50	58	CM	LB
4	706	HL Road Frame - Red, 58	FR-R92R-58	1	1	Red	500	375	1059.31	1431.50	58	CM	LB
5	717	HL Road Frame - Red, 62	FR-R92R-62	1	1	Red	500	375	868.6342	1431.50	62	CM	LB
6	717	HL Road Frame - Red, 62	FR-R92R-62	1	1	Red	500	375	868.6342	1431.50	62	CM	LB
7	718	HL Road Frame - Red, 44	FR-R92R-44	1	1	Red	500	375	868.6342	1431.50	44	CM	LB
8	718	HL Road Frame - Red, 44	FR-R92R-44	1	1	Red	500	375	868.6342	1431.50	44	CM	LB
9	719	HL Road Frame - Red, 48	FR-R92R-48	1	1	Red	500	375	868.6342	1431.50	48	CM	LB
10	719	HL Road Frame - Red, 48	FR-R92R-48	1	1	Red	500	375	868.6342	1431.50	48	CM	LB
11	720	HL Road Frame - Red, 52	FR-R92R-52	1	1	Red	500	375	868.6342	1431.50	52	CM	LB
12	720	HL Road Frame - Red, 52	FR-R92R-52	1	1	Red	500	375	868.6342	1431.50	52	CM	LB
13	721	HL Road Frame - Red, 56	FR-R92R-56	1	1	Red	500	375	868.6342	1431.50	56	CM	LB
14	721	HL Road Frame - Red, 56	FR-R92R-56	1	1	Red	500	375	868.6342	1431.50	56	CM	LB
15	722	LL Road Frame - Black, 58	FR-R38B-58	1	1	Black	500	375	204.6251	337.22	58	CM	LB

Query executed successfully. LAPTOP-H84PQ7E9\SQLEXPRESS ... LAPTOP-H84PQ7E9\Asus (56) AdventureWorks2012 00:00:00 1421 rows

```

CREATE FUNCTION dbo.GetProductSubcategoryCountMoreThan1000 (@ProductSubcategoryID INT)
RETURNS TABLE AS
RETURN (SELECT * FROM Production.Product
WHERE ProductSubcategoryID = @ProductSubcategoryID AND StandardCost > 1000.00)

SELECT * FROM Production.Product
CROSS APPLY dbo.GetProductSubcategoryCountMoreThan1000(ProductSubcategoryID);

SELECT * FROM Production.Product
OUTER APPLY dbo.GetProductSubcategoryCountMoreThan1000(ProductSubcategoryID);

```

ProductID	Name	ProductNumber	MakeFlag	FinishedGoodsFlag	Color	SafetyStockLevel	ReorderPoint	StandardCost	ListPrice	Size	SizeUnitMeasureCode	WeightUnitMeasureCode	Weight	DaysToManufacture
1	Adjustable Race	AR-5381	0	0	NULL	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0
2	Bearing Ball	BA-8327	0	0	NULL	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0
3	BB Ball Bearing	BE-2349	1	0	NULL	800	600	0.00	0.00	NULL	NULL	NULL	NULL	1
4	Headset Ball Bearings	BE-2908	0	0	NULL	800	600	0.00	0.00	NULL	NULL	NULL	NULL	0
5	Blade	BL-2036	1	0	NULL	800	600	0.00	0.00	NULL	NULL	NULL	NULL	1
6	LL Crankarm	CA-5965	0	0	Black	500	375	0.00	0.00	NULL	NULL	NULL	NULL	0
7	ML Crankarm	CA-6738	0	0	Black	500	375	0.00	0.00	NULL	NULL	NULL	NULL	0
8	HL Crankarm	CA-7457	0	0	Black	500	375	0.00	0.00	NULL	NULL	NULL	NULL	0
9	Chaining Bolts	CB-2903	0	0	Silver	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0
10	Chaining Nut	CN-6137	0	0	Silver	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0
11	Chaining	CR-7833	0	0	Black	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0
12	Crown Race	CR-9981	0	0	NULL	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0
13	Chain Stays	CS-2812	1	0	NULL	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	1
14	Decal 1	DC-8732	0	0	NULL	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0
15	Decal 2	DC-9824	0	0	NULL	1000	750	0.00	0.00	NULL	NULL	NULL	NULL	0

Query executed successfully. LAPTOP-H84PQ7E9\SQLEXPRESS ... LAPTOP-H84PQ7E9\Asus (56) AdventureWorks2012 00:00:01 1795 rows

```

CREATE FUNCTION dbo.MultiPart_GetProductSubcategoryCountMoreThan1000 (@ProductSubcategoryID INT)
RETURNS @table TABLE
(
    [ProductID] [int] IDENTITY(1,1) NOT NULL, [Name] [dbo].[Name] NOT NULL, [ProductNumber] [nvarchar](25) NOT NULL,
    [MakeFlag] [dbo].[Flag] NOT NULL,
    [FinishedGoodsFlag] [dbo].[Flag] NOT NULL,
    [Color] [nvarchar](15) NULL,
    [SafetyStockLevel] [smallint] NOT NULL,
    [ReorderPoint] [smallint] NOT NULL,
    [StandardCost] [money] NOT NULL,
    [ListPrice] [money] NOT NULL,
    [Size] [nvarchar](5) NULL,
    [SizeUnitMeasureCode] [nvarchar](3) NULL,
    [WeightUnitMeasureCode] [nvarchar](3) NULL,
    [Weight] [decimal](8, 2) NULL,
    [DaysToManufacture] [int] NOT NULL,
    [ProductLine] [nvarchar](2) NULL,
    [Class] [nvarchar](2) NULL,
    [Style] [nvarchar](2) NULL,
    [ProductSubcategoryID] [int] NULL,
    [ProductModelID] [int] NULL,
    [SellStartDate] [datetime] NOT NULL,
    [SellEndDate] [datetime] NULL,
    [DiscontinuedDate] [datetime] NULL,
    [rowguid] [uniqueidentifier],
    [ModifiedDate] [datetime] NOT NULL
)
AS
BEGIN
    INSERT INTO @table
    SELECT Name, ProductNumber, MakeFlag, FinishedGoodsFlag, Color, SafetyStockLevel,
    ReorderPoint, StandardCost, ListPrice, Size, SizeUnitMeasureCode, WeightUnitMeasureCode,
    [Weight], DaysToManufacture, ProductLine, Class, Style, ProductSubcategoryID, ProductModelID,
    SellStartDate, SellEndDate, DiscontinuedDate, rowguid, ModifiedDate FROM Production.Product
    WHERE ProductSubcategoryID = @ProductSubcategoryID AND StandardCost > 1000.00;
    RETURN;
END

```

SQLQuery2.sql - LA...84PQ7E9\Asus (57) V8.sql - LAPTOP-H...84PQ7E9\Asus (56) V8_2.sql - not connected

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