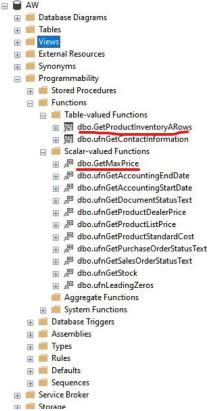
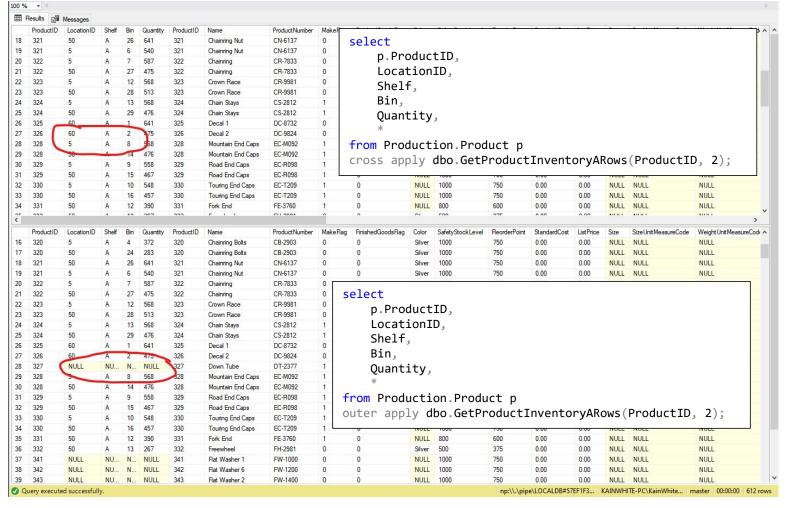
## 1) Созданные scalar-valued и table-valued функции



2) Применение функции с cross apply и outer apply



3) Код преобразования в multistatement table-valued функцию:

```
if object id('dbo.GetProductInventoryARows') is not null drop function
dbo.GetProductInventoryARows;
create function dbo.GetProductInventoryARows(@productId int, @rowCount int)
returns @productInventoryARows table (
    ProductId int,
    LocationId smallint,
    Shelf nvarchar(10),
    Bin tinyint,
    Quantity smallint,
    rowguid uniqueidentifier,
    ModifiedDate datetime)
as
begin
    insert into @productInventoryARows
    select top (@rowCount) *
    from Production.ProductInventory
   where ProductID = @productId and Shelf = 'A'
    order by Quantity desc;
    return;
end;
go
```