use AdventureWorks2014

go

--1. add a column to show the color of a product

--2. color column comes from the product details table

--3. it can be added as a subquery

--4. (select color from Production.Product as ProdDetails

-- where OrderDetails.ProductID=ProdDetails.ProductID)

-- as Color

--5. The subquery in 4. above functions as a new column

select SalesOrderID, ProductID,

(select color from Production.Product as ProdDetails

where OrderDetails.ProductID=ProdDetails.ProductID)

as Color

from Sales.SalesOrderDetail as OrderDetails