Internship 2018 – SQL Workshop

Use T-SQL script to execute the following tasks:

1. Create database named Internship2018
2. Create table named [dbo].[Sales] in database Internship2018.
   1. The columns of this table should be the same as [AdventureWorks2008R2].[Sales].[SalesOrderDetail] – do not add foreign keys.
3. Create table named [dbo].[SalesSummary] in Internship2018
   1. It should have the following columns:
      1. ProductId INT NOT NULL
      2. Quantity INT NOT NULL
      3. FirstOrder DateTime NOT NULL
      4. LastOrder DateTime NOT NULL
4. Create after insert, update, delete trigger in [AdventureWorks2008R2].[Sales].[SalesOrderDetail] that should do the following things:
   1. On insert – insert the same row(s) in [Internship2018]. [dbo].[Sales]
   2. On update – check if there is s corresponding row in [Internship2018]. [dbo].[Sales] if yes – update it, otherwise – insert it.
   3. On delete – delete the corresponding row from [Internship2018]. [dbo].[Sales]
5. Create stored procedure in Internship2018 named sp\_SalesSummarization. It should do the following things:
   1. It should group all the records in [dbo].[Sales] by ProductId and Sum the Quantity for the given product and update the Quantity in [dbo].[SalesSummary] for this product.

N.B. – the trigger in point 6 will guarantee that the product id will present.

1. Create after insert, update, delete trigger in Internship2018.dbo.Sales which will do the following things:
   1. On insert – create new row in [dbo].[SalesSummary] with the following values:
      1. ProductId from currently inserted row
      2. Quantity = 0
      3. FirstOrder = current date time
      4. LastOrder = current date time

After the insert – call sp\_SalesSummarization

* 1. On update – set the following values to the related record in [dbo].[SalesSummary]
     1. LastOrder = current date time

After the update – call sp\_SalesSummarization

* 1. On Delete - call sp\_SalesSummarization