**Task\_1**

Сгенерируйте данные для таблиц своей базы данных.

Подчиненные таблицы должны состоять из 1 000 строк (таблицы с описанием людей – 100 000), таблицы фактов – 1 000 000.

|  |
| --- |
| --SalesPerson 1000 (SalesPersonID, FirstName, LastName, HireDate, PhoneNumber)  INSERT INTO [dbo].[SalesPerson]  SELECT first\_name, last\_name, hire\_date, phone\_number  FROM [dbo].[SP\_temp] |
| --Product 1000 (ProductID, ProductName, ManufacturerName, ManufacturerNum, ProductPrice, Size, Color, GenderCategory, ClothesCategory, FirstSaleDate)  INSERT INTO [dbo].[Product]  (ProductName, ManufacturerName, ManufacturerNum, ProductPrice, Size, Color, GenderCategory, ClothesCategory, FirstSaleDate)  SELECT t2.product\_name, t1.manufacturer\_name, t1.manufacturer\_num, t1.price, t1.size, t1.color, t1.gender, t2.product\_cat, t1.first\_sale\_date  FROM [dbo].[Product\_temp] t1  JOIN  (SELECT id\_product, product\_name, product\_cat FROM [dbo].[product\_cat]) t2  ON t1.id = t2.id\_product |
| --Customer 100 000 (CustomerID, FirstName, LastName, BirthDate, Gender, Address, City, Country, PhoneNumber, Email)  INSERT INTO [dbo].[Customer]  ([FirstName], [LastName], [BirthDate], [Gender], [Address], [City], [Country], [PhoneNumber], [Email])  SELECT TOP 100000 t1.[first\_name], t2.[last\_name], t1.[BirthDate], t1.[gender], t1.[Address], t1.[City], t1.[Country], t1.[PhoneNumber], t1.[email]  FROM [dbo].[Customer\_temp\_1] t1  CROSS JOIN  [dbo].[Customer\_temp\_2] t2  Email потом сгенерирую поприличней через CONCAT, вообще данные в этой таблице не очень похожи на реалистичные – не соответствие адресов странам/городам, повторение адресов и телефонов)) |
| --Shipper 1000  INSERT INTO [dbo].[Shipper]  ([ShipperName], [ShipMethod])  SELECT t1.[Shipper\_name], t2.[Ship\_method]  FROM [dbo].[Shipper\_test\_1] t1  CROSS JOIN  [dbo].[Shipper\_test\_2] t2 |
| --Orders 1 000 000 (orderID, ProductID, OrderQty, Discount\_percent, OrderDate, SalesPerson, CustomerID)  DECLARE @id INT  SET @id =1  WHILE @id <1000001  BEGIN  INSERT INTO [dbo].[Orders]  VALUES (@id,  ROUND(RAND()\*(1000-1)+1, 0),  ROUND(RAND()\*(20-1)+1, 0),  ROUND(RAND()\*(15-0)+0, 0),  FORMAT(DATEADD(YEAR, ABS(CHECKSUM(NEWID()) % 7), '2015-02-02'), 'yyyy-MM-dd'),  ROUND(RAND()\*(1000-1)+1, 0),  ROUND(RAND()\*(100000-1)+1, 0)  )  SET @id =@id+1  END |
| --Delivery 1 000 000 (DeliveryID, CustomerID, OrderID, ShipperID, DeliveryStatus, AffectedDate)  DECLARE @id INT  SET @id =1  WHILE @id <1000001  BEGIN  INSERT INTO [dbo].[Delivery] ([DeliveryID], [CustomerID], [OrderID], [ShipperID])  VALUES (@id,  ROUND(RAND()\*(100000-1)+1, 0),  ROUND(RAND()\*(1000000-1)+1, 0),  ROUND(RAND()\*(1000-1)+1, 0)  )  SET @id =@id+1  END  2 колонки в этой таблице DeliveryStatus and AffectedDate (пока не заполнены) - зависимые значения через условия, над этим нужно еще подумать☺ |

**Task\_2**

Решите следующую задачу.

Дана таблица людей People. Поля: ID, FirstName, ParentName, LastName, ID\_Father, ID\_Mother.

Для всех Дмитриев выведите их ФИО и ФИО их отцов.

SELECT CONCAT(t1.LastName, ‘ ‘, t1.FirstName, ‘ ‘, t1.ParentName) as Дмитрий\_FullName, CONCAT(t2.LastName, ‘ ‘, t2.FirstName, ‘ ‘, t2.ParentName) as father\_FullName

FROM People t1

JOIN (SELECT LastName, FirstName, ParentName FROM Father) t2

ON t1.ID\_Father = t2.ID\_Father

WHERE t1.FirstName = ‘Дмитрий’ AND t1.LastName = t2.LastName