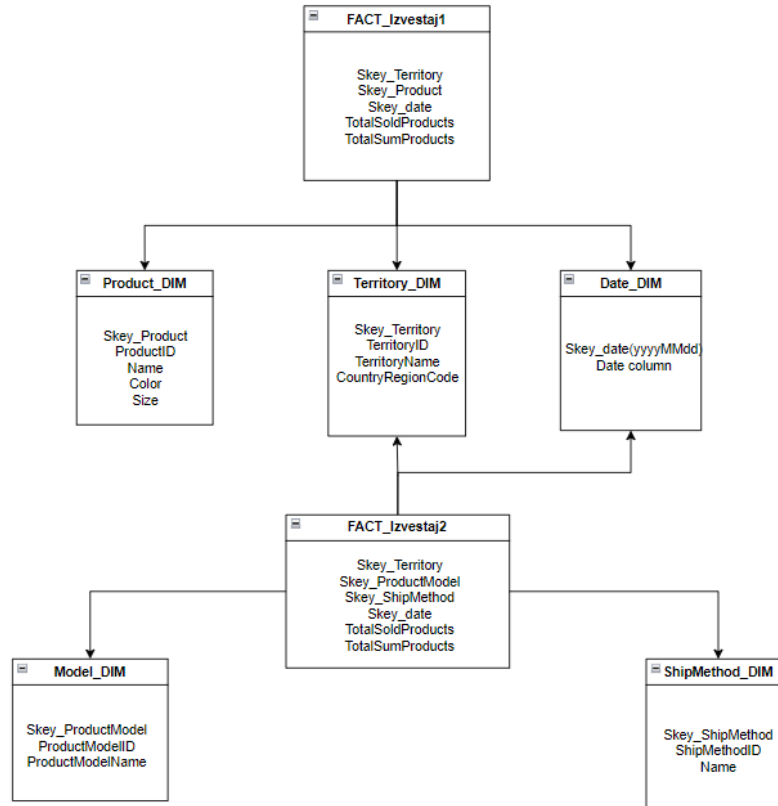


## Домашно 2

Тијана Атанасовска [196014]

### 1. Дијаграм (спodelени димензии за Територија и Датум)



## 2. Креирање на табели:

### А) Димензии:

```
1 CREATE TABLE Dim_Product(  
2   Skey_Product int IDENTITY(1,1) PRIMARY KEY,  
3   ProductID INT not null,  
4   Name nvarchar(50),  
5   Color nvarchar(15),  
6   Size nvarchar(5),  
7   ETL_LoadTime datetime default GETUTCDATE()  
8 )  
9  
10 CREATE TABLE Dim_Territory(  
11   Skey_Territory int IDENTITY(1,1) PRIMARY KEY,  
12   TerritoryID INT not null,  
13   Name nvarchar(50),  
14   CountryRegionCode nvarchar(3),  
15   ETL_LoadTime datetime default GETUTCDATE()  
16 )  
17  
18 CREATE TABLE Dim_Date(  
19   Skey_Date int PRIMARY KEY,  
20   Date_Format datetime default GETUTCDATE()  
21 )  
22  
23 CREATE TABLE Dim_ProductModel(  
24   Skey_ProductModel int IDENTITY(1,1) PRIMARY KEY,  
25   ProductModelID int,  
26   Name nvarchar(50),  
27   ETL_LoadTime datetime default GETUTCDATE()  
28 )  
29  
30 CREATE TABLE Dim_ShipMethod(  
31   Skey_ShipMethod int IDENTITY(1,1) PRIMARY KEY,  
32   ShipMethodID INT not null,  
33   Name nvarchar(50),  
34   ETL_LoadTime datetime default GETUTCDATE()  
35 )
```

Б) ФАКТ Табели

SQLQuery4.sql - DE...Administrator (74))\* X SQLQuery3.sql - DE...Administrator

```
1 CREATE TABLE Fact_Izvestaj1(  
2     Skey_Product int,  
3     Skey_Territory int,  
4     Skey_Date int,  
5     TotalSoldProducts int default 0,  
6     TotalSumProducts float default 0,  
7     ETL_LoadTime datetime default GETUTCDATE()  
8 )  
9  
10 CREATE TABLE Fact_Izvestaj2(  
11     Skey_Territory int,  
12     Skey_Date int,  
13     Skey_ProductModel int,  
14     Skey_ShipMethod int,  
15     TotalSoldProducts int default 0,  
16     TotalSumProducts float default 0,  
17     ETL_LoadTime datetime default GETUTCDATE()  
18 )  
19
```

3. Процедури за полнење на димензиите

А) Продукт

```

11 CREATE OR ALTER PROCEDURE ETL_Product
12 AS
13 BEGIN
14     --declare variables for easier interaction
15     DECLARE @count_before int, @count_after int, @count_updated bigint
16     DECLARE @start_date datetime = GETUTCDATE()
17
18     SET @count_before = (select count(*) from dbo.Dim_Product)
19
20     DECLARE @log_ids as table(id bigint)
21
22     INSERT INTO dbo.ETL_Logs(Table_Name, ETL_start, NumberOfRecordsBefore)
23     OUTPUT INSERTED.Id INTO @log_ids
24     SELECT 'Dim_Product', @start_date, @count_before
25
26     DECLARE @log_first bigint = (select top 1 id from @log_ids)
27
28     --new records
29     INSERT INTO dbo.Dim_Product([ProductID],[Name], [Color], [Size],[ETL_LoadTime])
30     SELECT p.ProductID, p.Name, p.Color, p.Size, GETUTCDATE()
31     FROM AdventureWorks2019.Production.Product as p
32     LEFT JOIN dbo.Dim_Product as dp on p.ProductID=dp.ProductID
33     WHERE dp.Skey_Product is NULL
34
35     UPDATE dbo.ETL_Logs
36     SET CheckpointStatus = 'Insert new completed',
37         LastModifiedDate = GETUTCDATE()
38     WHERE Id = @log_first
39
40     DECLARE @updated_ids as table (id bigint)
41
42     UPDATE dbo.Dim_Product
43     SET Name=p.Name, Size=p.Size, Color=p.Color
44     OUTPUT INSERTED.ProductID INTO @updated_ids(id)
45     FROM AdventureWorks2019.Production.Product AS p JOIN dbo.Dim_Product AS dp
46     ON p.ProductID = dp.ProductID
47     WHERE p.Name!=dp.Name OR p.Size!=dp.Size OR p.Color!=dp.Color
48
49
50     SET @count_updated = (SELECT count_big(*) FROM @updated_ids)
51     SET @count_after = (SELECT count_big(*) FROM dbo.Dim_Product)
52
53
54     UPDATE dbo.ETL_Logs
55     SET CheckpointStatus = 'Completed',
56         NumberOfRecordsAfter = @count_after,
57         NumberOfRecordsModified = @count_updated,
58         LastModifiedDate = GETUTCDATE(),
59         ETL_end = GETUTCDATE()
60     WHERE id = @log_first
61 ;
62 END
63 GO
64
65
66

```

## Б) Територија

```

11 CREATE OR ALTER PROCEDURE ETL_Territory
12 AS
13 BEGIN
14     --declare variables for easier interaction
15     DECLARE @count_before int, @count_after int, @count_updated bigint
16     DECLARE @start_date datetime = GETUTCDATE()
17
18     SET @count_before = (select count(*) from dbo.Dim_Territory)
19
20     DECLARE @log_ids as table(id bigint)
21
22     INSERT INTO dbo.ETL_Logs(Table_Name, ETL_start, NumberOfRecordsBefore)
23     OUTPUT INSERTED.Id INTO @log_ids
24     SELECT 'Dim_Territory', @start_date, @count_before
25
26     DECLARE @log_first bigint = (select top 1 id from @log_ids)
27
28     --new records
29     INSERT INTO dbo.Dim_Territory([TerritoryID],[Name], [CountryRegionCode],[ETL_LoadTime])
30     SELECT p.[TerritoryID], p.Name, p.[CountryRegionCode], GETUTCDATE()
31     FROM AdventureWorks2019.Sales.SalesTerritory as p
32     LEFT JOIN dbo.Dim_Territory as dp on p.[TerritoryID]=dp.[TerritoryID]
33     WHERE dp.[Skey_Territory] is NULL
34
35     UPDATE dbo.ETL_Logs
36     SET CheckpointStatus = 'Insert new completed',
37         LastModifiedDate = GETUTCDATE()
38     WHERE Id = @log_first
39
40     DECLARE @updated_ids as table (id bigint)
41
42     UPDATE dbo.Dim_Territory
43     SET Name=p.Name, [CountryRegionCode]=p.[CountryRegionCode]
44     OUTPUT INSERTED.[TerritoryID] INTO @updated_ids(id)
45     FROM AdventureWorks2019.Sales.SalesTerritory AS p JOIN dbo.Dim_Territory AS dp
46     ON p.[TerritoryID] = dp.[TerritoryID]
47     WHERE p.Name!=dp.Name OR p.[CountryRegionCode]!=p.[CountryRegionCode]
48
49
50     SET @count_updated = (SELECT count_big(*) FROM @updated_ids)
51     SET @count_after = (SELECT count_big(*) FROM dbo.Dim_Territory)
52
53
54     UPDATE dbo.ETL_Logs
55     SET CheckpointStatus = 'Completed',
56         NumberOfRecordsAfter = @count_after,
57         NumberOfRecordsModified = @count_updated,
58         LastModifiedDate = GETUTCDATE(),
59         ETL_end = GETUTCDATE()
60     WHERE id = @log_first
61 ;

```

## В) Датум

За да се пополни димензијата Датум и притоа да се искористи и во двете факт табели, ги земаме датумите од двете колони: ShipDate, OrderDate. Сортираме за да најдеме која е првата година која се појавува во нив и потоа рекурзивно (линија 29 до 34) креираме датуми од таа година па за следните 10 години (како крајна година може да се стави и највисоката од унијата на овие две табели).

Форматот `yyyyMMdd` го генерираме со `FORMAT(AllDates, 'yyyyMMdd')`

```
11 CREATE OR ALTER PROCEDURE ETL_Date
12 AS
13 BEGIN
14
15     DECLARE @all_years table(yr INT)
16     INSERT INTO @all_years select year(ShipDate) AS y
17         from AdventureWorks2019.Sales.SalesOrderHeader
18         union
19         select year(OrderDate) as y
20         from AdventureWorks2019.Sales.SalesOrderHeader;
21
22     DECLARE @StartDate DATE, @EndDate DATE
23     SET @StartDate = CONCAT_WS('',(CAST((SELECT TOP 1 yr FROM @all_years order by yr) AS VARCHAR)),'-01','01')
24     SET @EndDate = CONCAT_WS('',(CAST((SELECT TOP 1 yr+10 FROM @all_years order by yr DESC) AS VARCHAR)),'-01','01')
25     --SET @StartDate = CONCAT_WS('',(CAST((SELECT TOP 1 yr FROM @all_years order by yr) AS VARCHAR)),'01','01')
26     --SET @EndDate = CONCAT_WS('',(CAST((SELECT TOP 1 yr+10 FROM @all_years order by yr DESC) AS VARCHAR)),'01','01')
27
28     SELECT @StartDate, @EndDate;
29     WITH ListDates(AllDates) AS
30     (
31         SELECT @StartDate AS DATE
32         UNION ALL
33         SELECT DATEADD(DAY,1,AllDates)
34         FROM ListDates
35         WHERE AllDates < @EndDate)
36     INSERT INTO dbo.Dim_Date([Skey_Date],[Date_Format])
37     SELECT FORMAT(AllDates,'yyyyMMdd'), AllDates
38     FROM ListDates
39     option (maxrecursion 0)
40
41 ;
42 END
43 GO
```

Г) Модел на Продукт

```
11 CREATE OR ALTER PROCEDURE [dbo].[ETL_ProductModel]
12 AS
13 BEGIN
14     --declare variables for easier interaction
15     DECLARE @count_before int, @count_after int, @count_updated bigint
16     DECLARE @start_date datetime = GETUTCDATE()
17
18     SET @count_before = (select count(*) from dbo.Dim_ProductModel)
19
20     DECLARE @log_ids as table(id bigint)
21
22     INSERT INTO dbo.ETL_Logs(Table_Name, ETL_start, NumberOfRecordsBefore)
23     OUTPUT INSERTED.Id INTO @log_ids
24     SELECT 'Dim_ProductModel', @start_date, @count_before
25
26     DECLARE @log_first bigint = (select top 1 id from @log_ids)
27
28     --new records
29     INSERT INTO dbo.Dim_ProductModel([ProductModelID],[Name],[ETL_LoadTime])
30     SELECT p.[ProductModelID], p.Name, GETUTCDATE()
31     FROM AdventureWorks2019.Production.ProductModel as p
32     LEFT JOIN dbo.Dim_ProductModel as dp on p.[ProductModelID]=dp.[ProductModelID]
33     WHERE dp.[Skey_ProductModel] is NULL
34
35     UPDATE dbo.ETL_Logs
36     SET CheckpointStatus = 'Insert new completed',
37         LastModifiedDate = GETUTCDATE()
38     WHERE Id = @log_first
39
40     DECLARE @updated_ids as table (id bigint)
41
42     UPDATE dbo.Dim_ProductModel
43     SET Name=p.Name
44     OUTPUT INSERTED.[ProductModelID] INTO @updated_ids(id)
45     FROM AdventureWorks2019.Production.ProductModel AS p JOIN dbo.Dim_ProductModel AS dp
46     ON p.[ProductModelID] = dp.[ProductModelID]
47     WHERE p.Name!=dp.Name
48
49
50     SET @count_updated = (SELECT count_big(*) FROM @updated_ids)
51     SET @count_after = (SELECT count_big(*) FROM dbo.Dim_ProductModel)
52
53
54     UPDATE dbo.ETL_Logs
55     SET CheckpointStatus = 'Completed',
56         NumberOfRecordsAfter = @count_after,
57         NumberOfRecordsModified = @count_updated,
58         LastModifiedDate = GETUTCDATE(),
59         ETL_end = GETUTCDATE()
60     WHERE id = @log_first
61 ;
62 END
63 GO
```

Д) Димензија ShipMethod

```
11 CREATE OR ALTER PROCEDURE [dbo].[ETL_ShipMethod]
12 AS
13 BEGIN
14     --declare variables for easier interaction
15     DECLARE @count_before int, @count_after int, @count_updated bigint
16     DECLARE @start_date datetime = GETUTCDATE()
17
18     SET @count_before = (select count(*) from dbo.Dim_ShipMethod)
19
20     DECLARE @log_ids as table(id bigint)
21
22     INSERT INTO dbo.ETL_Logs(Table_Name, ETL_start, NumberOfRecordsBefore)
23     OUTPUT INSERTED.Id INTO @log_ids
24     SELECT 'Dim_ShipMethod', @start_date, @count_before
25
26     DECLARE @log_first bigint = (select top 1 id from @log_ids)
27
28     --new records
29     INSERT INTO dbo.Dim_ShipMethod([ShipMethodID],[Name],[ETL_LoadTime])
30     SELECT p.[ShipMethodID], p.Name, GETUTCDATE()
31     FROM AdventureWorks2019.Purchasing.ShipMethod as p
32     LEFT JOIN dbo.Dim_ShipMethod as dp on p.[ShipMethodID]=dp.[ShipMethodID]
33     WHERE dp.[Skey_ShipMethod] is NULL
34
35     UPDATE dbo.ETL_Logs
36     SET CheckpointStatus = 'Insert new completed',
37         LastModifiedDate = GETUTCDATE()
38     WHERE Id = @log_first
39
40     DECLARE @updated_ids as table (id bigint)
41
42     UPDATE dbo.Dim_ShipMethod
43     SET Name=p.Name
44     OUTPUT INSERTED.[ShipMethodID] INTO @updated_ids(id)
45     FROM AdventureWorks2019.Purchasing.ShipMethod AS p JOIN dbo.Dim_ShipMethod AS dp
46     ON p.[ShipMethodID] = dp.[ShipMethodID]
47     WHERE p.Name!=dp.Name
48
49
50     SET @count_updated = (SELECT count_big(*) FROM @updated_ids)
51     SET @count_after = (SELECT count_big(*) FROM dbo.Dim_ShipMethod)
52
53
54     UPDATE dbo.ETL_Logs
55     SET CheckpointStatus = 'Completed',
56         NumberOfRecordsAfter = @count_after,
57         NumberOfRecordsModified = @count_updated,
58         LastModifiedDate = GETUTCDATE(),
59         ETL_end = GETUTCDATE()
60     WHERE id = @log_first
61 ;
62 END
63 GO
64
```



## Г) ФАКТ Извештај 1

```

11 CREATE OR ALTER PROCEDURE [dbo].[ETL_FactIzvestaj1]
12 AS
13 BEGIN
14     --log variables
15     DECLARE @count_before int, @count_after int, @count_updated bigint
16     DECLARE @start_date datetime = GETUTCDATE()
17
18     SET @count_before = (select count(*) from dbo.Fact_Izvestaj1)
19
20     DECLARE @log_ids as table(id bigint)
21
22     INSERT INTO dbo.ETL_Logs(Table_Name, ETL_start, NumberOfRecordsBefore)
23     OUTPUT INSERTED.Id INTO @log_ids
24     SELECT 'Fact_Izvestaj1', @start_date, @count_before
25
26     DECLARE @log_first bigint = (select top 1 id from @log_ids)
27
28     --gather data from diff tables
29     SELECT sh.TerritoryID, sd.ProductID, sh.OrderDate, sd.OrderQty, sd.LineTotal
30     INTO #TempIzvestaj1
31     FROM AdventureWorks2019.Sales.SalesOrderHeader AS sh
32     JOIN AdventureWorks2019.Sales.SalesOrderDetail AS sd ON sh.SalesOrderID = sd.SalesOrderID
33
34     ;WITH grouped_data as
35     (
36         SELECT TerritoryID, ProductID, OrderDate, SUM(OrderQty) as TotalSoldProducts, SUM(LineTotal) as TotalSumProducts
37         FROM #TempIzvestaj1
38         GROUP BY TerritoryID, ProductID, OrderDate
39     )
40     INSERT INTO dbo.Fact_Izvestaj1([Skey_Product],[Skey_Territory],[Skey_Date],[TotalSoldProducts],[TotalSumProducts],[ETL_LoadTime])
41     SELECT dp.Skey_Product, dt.Skey_Territory, dd.Skey_Date, ti.TotalSoldProducts, ti.TotalSumProducts, GETUTCDATE()
42     FROM grouped_data AS ti
43     LEFT JOIN dbo.Dim_Product AS dp ON ti.ProductID=dp.ProductID
44     LEFT JOIN dbo.Dim_Territory AS dt ON ti.TerritoryID=dt.TerritoryID
45     LEFT JOIN dbo.Dim_Date AS dd ON ti.OrderDate=dd.Date_Format
46
47     SET @count_after = (SELECT count_big(*) FROM dbo.Fact_Izvestaj1)
48
49     UPDATE dbo.ETL_Logs
50     SET CheckpointStatus = 'Completed',
51         NumberOfRecordsAfter = @count_after,
52         LastModifiedDate = GETUTCDATE(),
53         ETL_end = GETUTCDATE()
54     WHERE id = @log_first
55     :

```

#### Е) ФАКТ Извештај 2

```

11 CREATE OR ALTER PROCEDURE [dbo].[ETL_FactIzvestaj2]
12 AS
13 BEGIN
14     --log variables
15     DECLARE @count_before int, @count_after int, @count_updated bigint
16     DECLARE @start_date datetime = GETUTCDATE()
17
18     SET @count_before = (select count(*) from dbo.Fact_Izvestaj2)
19
20     DECLARE @log_ids as table(id bigint)
21
22     INSERT INTO dbo.ETL_Logs(Table_Name, ETL_start, NumberOfRecordsBefore)
23     OUTPUT INSERTED.Id INTO @log_ids
24     SELECT 'Fact_Izvestaj2', @start_date, @count_before
25
26     DECLARE @log_first bigint = (select top 1 id from @log_ids)
27
28     --gather data from diff tables
29     SELECT sh.TerritoryID, p.ProductModelID, sh.ShipMethodID, sh.ShipDate, sd.OrderQty, sd.LineTotal
30     INTO #TempIzvestaj2
31     FROM AdventureWorks2019.Sales.SalesOrderHeader AS sh
32     JOIN AdventureWorks2019.Sales.SalesOrderDetail AS sd ON sh.SalesOrderID = sd.SalesOrderID
33     JOIN AdventureWorks2019.Production.Product AS p ON sd.ProductID=p.ProductID
34
35     --fill fact table
36     ;WITH grouped_data as
37     (
38         SELECT TerritoryID, ProductModelID, ShipMethodID, ShipDate, SUM(OrderQty) as TotalSoldProducts, SUM(LineTotal) as TotalSumProducts
39         FROM #TempIzvestaj2
40         GROUP BY TerritoryID, ProductModelID, ShipMethodID, ShipDate
41     )
42     INSERT INTO dbo.Fact_Izvestaj2([Skey_Territory],[Skey_Date],[Skey_ProductModel],[Skey_ShipMethod],[TotalSoldProducts],[TotalSumProducts],[ETL_LoadTime])
43     SELECT dt.Skey_Territory, dd.Skey_Date, pm.Skey_ProductModel, dsm.Skey_ShipMethod, ti.TotalSoldProducts, ti.TotalSumProducts, GETUTCDATE()
44     FROM grouped_data AS ti
45     LEFT JOIN dbo.Dim_Territory AS dt ON ti.TerritoryID=dt.TerritoryID
46     LEFT JOIN dbo.Dim_Date AS dd ON ti.ShipDate=dd.Date_Format
47     LEFT JOIN dbo.Dim_ProductModel AS pm ON ti.ProductModelID=pm.ProductModelID
48     LEFT JOIN dbo.Dim_ShipMethod AS dsm ON ti.ShipMethodID=dsm.ShipMethodID
49
50
51     SET @count_after = (SELECT count_big(*) FROM dbo.Fact_Izvestaj2)
52
53     UPDATE dbo.ETL_Logs
54     SET CheckpointStatus = 'Completed',
55         NumberOfRecordsAfter = @count_after,
56         LastModifiedDate = GETUTCDATE(),
57         ETL_end = GETUTCDATE()
58     WHERE id = @log_first
59
60

```

4. Прикажување резултати после повикување на процедурите за полнење. Прикажана е споредба на бројот на записи во Димензијата и во оригиналната табела на операционата база, како и записот во табелата на логови:

#### А) Продукт

```

5 exec ETL_Product;
7 select count(*) as records_dim
8 from Dim_Product
10 select count(*) as records_ODB
11 from AdventureWorks2019.Production.Product
13 select *
14 from ETL_Logs

```

records_dim
504

records_ODB
504

Id	Table_Name	ETL_start	ETL_end	NumberOfRecordsBefore	NumberOfRecordsAfter	NumberOfRecordsModified	NumberOfRecordsAffected	CheckpointStatus	LastModifiedDate
3	Dim_Product	2023-03-22 14:16:16.877	2023-03-22 14:16:16.890	0	504	0	504	Completed	2023-03-22 14:16:16.890

## Б) Територија

```
1 USE [196014_H2]
2
3 exec ETL_Territory;
4
5 select count(*) as records_dim
6 from Dim_Territory
7
8 select count(*) as records_ODB
9 from AdventureWorks2019.Sales.SalesTerritory
10
11 select *
12 from ETL_Logs
```

100 %

Results Messages

records_dim
10

records_ODB
10

Id	Table_Name	ETL_start	ETL_end	NumberOfRecordsBefore	NumberOfRecordsAfter	NumberOfRecordsModified	NumberOfRecordsAffected	CheckpointStatus	LastModifiedDate
1	3 Dim_Product	2023-03-22 14:16:16.877	2023-03-22 14:16:16.890	0	504	0	504	Completed	2023-03-22 14:16:16.890
2	4 Dim_Territory	2023-03-22 14:23:04.087	2023-03-22 14:23:04.097	0	10	0	10	Completed	2023-03-22 14:23:04.097

## В) ShipMethod

```
1 USE [196014_H2]
2
3 exec ETL_ShipMethod;
4
5 select count(*) as records_dim
6 from Dim_ShipMethod
7
8 select count(*) as records_ODB
9 from AdventureWorks2019.Purchasing.ShipMethod
10
11 select *
12 from ETL_Logs
```

100 %

Results Messages

records_dim
5

records_ODB
5

Id	Table_Name	ETL_start	ETL_end	NumberOfRecordsBefore	NumberOfRecordsAfter	NumberOfRecordsModified	NumberOfRecordsAffected	CheckpointStatus	LastModifiedDate
1	3 Dim_Product	2023-03-22 14:16:16.877	2023-03-22 14:16:16.890	0	504	0	504	Completed	2023-03-22 14:16:16.890
2	4 Dim_Territory	2023-03-22 14:23:04.087	2023-03-22 14:23:04.097	0	10	0	10	Completed	2023-03-22 14:23:04.097
3	5 Dim_ShipMethod	2023-03-22 14:56:03.203	2023-03-22 14:56:03.213	0	5	0	5	Completed	2023-03-22 14:56:03.213

## Г) Продукт Модел

```
1 USE [196014_H2]
2
3 exec ETL_ProductModel;
4
5 select count(*) as records_dim
6 from Dim_ProductModel
7
8 select count(*) as records_ODB
9 from AdventureWorks2019.Production.ProductModel
10
11 select *
12 from ETL_Logs
```

100 %

Results Messages

records_dim
128

records_ODB
128

Id	Table_Name	ETL_start	ETL_end	NumberOfRecordsBefore	NumberOfRecordsAfter	NumberOfRecordsModified	NumberOfRecordsAffected	CheckpointStatus	LastModifiedDate
1	3 Dim_Product	2023-03-22 14:16:16.877	2023-03-22 14:16:16.890	0	504	0	504	Completed	2023-03-22 14:16:16.890
2	4 Dim_Territory	2023-03-22 14:23:04.087	2023-03-22 14:23:04.097	0	10	0	10	Completed	2023-03-22 14:23:04.097
3	5 Dim_ShipMethod	2023-03-22 14:56:03.203	2023-03-22 14:56:03.213	0	5	0	5	Completed	2023-03-22 14:56:03.213
4	6 Dim_ProductModel	2023-03-22 15:11:11.690	2023-03-22 15:11:11.723	0	128	0	128	Completed	2023-03-22 15:11:11.723

Д) Записи во димензијата за Датум (опсег од 13 години = 4749 записи)

SQLQuery2.sql - DE...Administrator (66)\* X SQLQuery1.sql - DE...Adminis

```
1 use [196014_H2]
2 select * from dbo.Dim_Date
3 select count(*) from dbo.Dim_Date
```

110 %

Results Messages

	Skey_Date	Date_Format
34	20110203	2011-02-03 00:00:00.000
35	20110204	2011-02-04 00:00:00.000
36	20110205	2011-02-05 00:00:00.000
37	20110206	2011-02-06 00:00:00.000
38	20110207	2011-02-07 00:00:00.000
39	20110208	2011-02-08 00:00:00.000
40	20110209	2011-02-09 00:00:00.000
41	20110210	2011-02-10 00:00:00.000
42	20110211	2011-02-11 00:00:00.000
43	20110212	2011-02-12 00:00:00.000

(No column name)

1	4749
---	------

Г) Факт Извештај 1

```
1 use [196014_H2]
2
3 exec dbo.ETL_FactIzvestaj1
4 select * from [Fact_Izvestaj1]
```

100 %

Results Messages

	Skey_Product	Skey_Territory	Skey_Date	TotalSoldProducts	TotalSumProducts	ETL_LoadTime
1	1480	8	20130615	1	2384.07	2023-03-24 08:32:27.970
2	1426	3	20130731	4	126.336	2023-03-24 08:32:27.970
3	1224	8	20131213	1	34.99	2023-03-24 08:32:27.970
4	1395	1	20140315	1	53.99	2023-03-24 08:32:27.970
5	1297	7	20120530	3	3688.3767	2023-03-24 08:32:27.970
6	1279	7	20121030	3	1409.382	2023-03-24 08:32:27.970
7	1294	4	20130108	1	2071.4196	2023-03-24 08:32:27.970
8	1225	7	20130228	16	79.979108	2023-03-24 08:32:27.970
9	1486	10	20130731	19	19391.286	2023-03-24 08:32:27.970
10	1442	4	20130826	3	89.97	2023-03-24 08:32:27.970
11	1226	7	20131204	1	49.99	2023-03-24 08:32:27.970
12	1435	9	20140309	2	7.98	2023-03-24 08:32:27.970
13	1413	1	20140331	1	200.052	2023-03-24 08:32:27.970
14	1225	8	20140402	2	17.98	2023-03-24 08:32:27.970
15	1441	9	20130722	1	24.99	2023-03-24 08:32:27.970
16	1225	7	20130816	1	8.99	2023-03-24 08:32:27.970
17	1469	10	20140420	1	2384.07	2023-03-24 08:32:27.970
18	1393	1	20130807	1	54.99	2023-03-24 08:32:27.970
19	1228	1	20130909	1	49.99	2023-03-24 08:32:27.970
20	1230	1	20131030	1	858.9	2023-03-24 08:32:27.970
21	1305	9	20140123	2	4886.7	2023-03-24 08:32:27.970
22	1444	8	20140417	2	42.98	2023-03-24 08:32:27.970
23	1434	9	20140507	3	14.97	2023-03-24 08:32:27.970
24	1435	4	20140611	1	3.99	2023-03-24 08:32:27.970
25	1436	9	20140627	1	4.99	2023-03-24 08:32:27.970
26	1220	4	20120330	30	605.595	2023-03-24 08:32:27.970
27	1402	1	20130530	4	2409.384	2023-03-24 08:32:27.970
28	1487	10	20130602	1	1700.99	2023-03-24 08:32:27.970

Query executed successfully.

# E) Факт Извештај 2

```

1 use [196014_H2]
2
3 exec dbo.ETL_FactIzvestaj2
4 select * from [Fact_Izvestaj2]

```

100 %

Results Messages

	Skey_Territory	Skey_Date	Skey_ProductModel	Skey_ShipMethod	TotalSoldProducts	TotalSumProducts	ETL_LoadTime
1	4	20131110	127	1	3	209.97	2023-03-24 08:44:23.920
2	1	20131223	7	1	1	21.98	2023-03-24 08:44:23.920
3	9	20140523	115	1	2	69.98	2023-03-24 08:44:23.920
4	10	20120807	95	5	42	27215.748	2023-03-24 08:44:23.920
5	6	20130708	126	1	3	14.97	2023-03-24 08:44:23.920
6	4	20111009	105	1	2	7156.54	2023-03-24 08:44:23.920
7	9	20131016	50	1	1	24.99	2023-03-24 08:44:23.920
8	9	20140322	103	1	1	8.99	2023-03-24 08:44:23.920
9	9	20130804	90	1	1	9.99	2023-03-24 08:44:23.920
10	7	20131231	111	1	1	1120.49	2023-03-24 08:44:23.920
11	6	20140221	90	1	1	9.99	2023-03-24 08:44:23.920