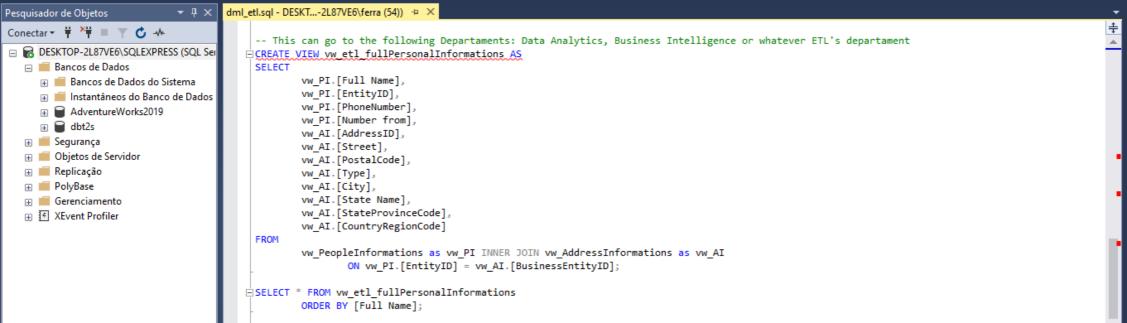
```
/*Employees: [
        ID,
        Full Name,
        PhoneNumber,
        TypeOfContact,
        FullAdress1
 -- Let's look the relations that each table has with others /tables (Change the table's name)
 -- VERY IMPORTANT! I USED A LOTS TIMES
/* SELECT
    OBJECT NAME(Referenced Object ID) as 'STRONG ENTITY',
    Name as 'Foreignkey',
    OBJECT NAME(Parent Object ID) as 'WEAK ENTITY'
 FROM SYS.FOREIGN KEYS
WHERE Parent Object ID = OBJECT ID('table name you want') OR Referenced Object ID = OBJECT ID('table name you want'); */
-- Checking table's datas
SELECT * FROM Person.Address; -- AddressLine1, City, StateProvinceID, PostalCode
SELECT * FROM Person.StateProvince; -- StateProvinceCode, CountryRegionCode, Name
SELECT * FROM Person.BusinessEntityAddress; -- AdressID, AddressTypeID
SELECT * FROM Person.AddressType; -- AddressTypeID, Name
SELECT * FROM Person.BusinessEntity;
SELECT * FROM Person, -- BussinessEntityID, First Name, Middle Name, Last Name
SELECT * FROM Person.PersonPhone; -- PhoneNumber, PhoneNumberTypeID
SELECT * FROM Person.PhoneNumberType; -- PhoneNumberTypeID, Name
```

∃-- SPRINT: Your Manager asked for:

```
SELECT
         PE.BusinessEntityID as 'EntityID',
         CONCAT (PE.FirstName, ' ', PE.MiddleName, ' ', PE.LastName) as 'Full Name',
         PP.PhoneNumber,
         PNT.Name as 'Number from'
     FROM
         Person Person as PE INNER JOIN Person PersonPhone as PP
                 ON PE.BusinessEntityID = PP.BusinessEntityID
         INNER JOIN Person.PhoneNumberType as PNT
                 ON PP.PhoneNumberTypeID = PNT.PhoneNumberTypeID;
⊟-- Part 2: Address Informations
 /*ADT = AddressTpe (name), BEA = BusinessEntityAddress (AdressID), SP = StateProvince (StateProvinceCode, CountryRegionCode, Name), PA = (AddressLine1, City, PostalCode) */
☐ CREATE VIEW vw AddressInformations AS
     SELECT
         BEA.BusinessEntityID,
         BEA.AddressID.
         PA.AddressLine1 as 'Street',
         ADT.name as 'Type',
         PA.City,
         PA.PostalCode.
         SP.StateProvinceCode.
         SP.CountryRegionCode,
         SP.name as 'State Name'
     FROM
         Person.AddressType as ADT INNER JOIN Person.BusinessEntityAddress as BEA
                 ON ADT.AddressTypeID = BEA.AddressTypeID
         INNER JOIN Person. Address as PA
                 ON BEA.AddressID = PA.AddressID
         INNER JOIN Person.StateProvince as SP
```

CREATE VIEW vw PeopleInformations AS

ON PA.StateProvinceID = SP.StateProvinceID;



```
-- SPRINT 2: ETL of usefull insights about [State, City and Province]
 -- Ouantity of Cities, Amount People by CountryRegionCode
⊟ SELECT
     [CountryRegionCode],
     count([City]) as 'Quantity of Cities' ,
     COUNT([Full Name]) as 'Amount People'
 FROM vw etl fullPersonalInformations
     GROUP BY [CountryRegionCode]
     ORDER BY [CountryRegionCode];
 -- Quantity of People by City
     SELECT
     [City],
     COUNT([Full Name]) as 'Amount People'
 FROM vw etl fullPersonalInformations
     GROUP BY [City]
     ORDER BY [City];
 -- Quantity of People by State, Quantity of City by State
⊟ SELECT
     [State Name],
     COUNT([City]) as 'Quantity of Cities',
     COUNT([Full Name]) as 'Quantity of People'
 FROM vw etl fullPersonalInformations
     GROUP BY [State Name]
 ORDER BY [State Name];
```

```
dml_etl.sql - DESKT...-2L87VE6\ferra (54)) → ×
       -- Quantity of Cities, Amount People by CountryRegionCode
     ⊟ SELECT
           [CountryRegionCode],
           count([City]) as 'Quantity of Cities' ,
           COUNT([Full Name]) as 'Amount People'
       FROM vw etl fullPersonalInformations
           GROUP BY [CountryRegionCode]
stantâneos do Banco de Dados
         Quantity of People by City
           SELECT
           [City],
           COUNT([Full Name]) as 'Amount People'
 100 %

    ⊞ Resultados

                Mensagens
       Country Region Code
                          Quantity of Cities
                                           Amount People
  1
        ΑU
                                           3592
                           3592
  2
       CA
                           1573
                                            1573
  3
        DE
                           1781
                                            1781
       City
                 Amount People
        Basing...
  4
                  2
  5
        Baytown
                  1
  6
        Beaver...
                  210
  7
        Bell Ga...
                  1
  8
        Bellevue
                  38
       State Name
                    Quantity of Cities
                                    Quantity of People
  4
        Bavem
                    228
                                    228
  5
        Brandenb...
                    30
                                    30
  6
        British Col...
                    1559
                                    1559
  7
        California
                    4447
                                    4447

    Consulta executada com êxito.
```

	SELECT * FROM vw_et	tl_fullP	ersonalInformati	ons										
	ORDER BY [Full Name]; SPRINT 2: ETL of usefull insights about [State, City and Province]													
Quantity of Cities, Amount People by CountryRegionCode														. *
														•
⊞ Resultados														
	Full Name	EntityID	PhoneNumber	Number from	AddressID	Street	PostalCode	Туре	City	State Name	StateProvinceCode	CountryRegionCode		^
4992	Deanna Gill	9810	125-555-0154	Cell	18864	867 Maria Vega Court	94014	Home	Colma	California	CA	US		
4993	Deanna Gomez	9774	1 (11) 500 555-0124	Cell	18828	Kalkweg 4435	45001	Home	Essen	Hamburg	HH	DE		
4994	Deanna Jiménez	9784	1 (11) 500 555-0112	Home	18838	6410 Army Drive	4551	Home	Caloundra	Queensland	QLD	AU		
4995	Deanna Martin	9771	1 (11) 500 555-0170	Home	18825	8162 Milden Road	4551	Home	Caloundra	Queensland	QLD	AU		
4996	Deanna Martinez	9762	1 (11) 500 555-0144	Home	18816	9555 Wheel Ave	KB9	Home	Kirkby	England	ENG	GB		
4997	Deanna Moreno	9787	1 (11) 500 555-0129	Home	18841	7897 Standing Grove	2580	Home	Goulbum	New South	NSW	AU		
4998	Deanna Munoz	9790	1 (11) 500 555-0192	Home	18844	5825 B Way	3220	Home	Geelong	Victoria	VIC	AU		
4999	Deanna Perez	9769	1 (11) 500 555-0191	Cell	18823	Marienplatz 56	66041	Home	Poing	Saarland	SL	DE		
5000	Deanna Prasad	9746	1 (11) 500 555-0195	Cell	18800	3339, rue Surcouf	77127	Home	Lieusaint	Seine et Mame	77	FR		
5001	Deanna Rodrig	9767	1 (11) 500 555-0136	Cell	18821	9736 Montana	CM11	Home	Billericay	England	ENG	GB		
5002	Deanna Srini	9745	1 (11) 500 555-0148	Home	18799	3794 Trees Drive	7001	Home	Hobart	Tasmania	TAS	AU		
5003	Deanna Suarez	9822	1 (11) 500 555-0146	Cell	18876	Dunckerstr 22525	41485	Home	Grevenbroich	Bayem	BY	DE		
5004	Deanna Subram	9754	1 (11) 500 555-0187	Cell	18808	26, rue de l'Esplanade	75012	Home	Paris	Seine (Paris)	75	FR		
5005	Deanna Suri	9721	1 (11) 500 555-0122	Home	18775	Hellweg 4924	30601	Home	Hannover	Nordrhein-We	NW	DE		V
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