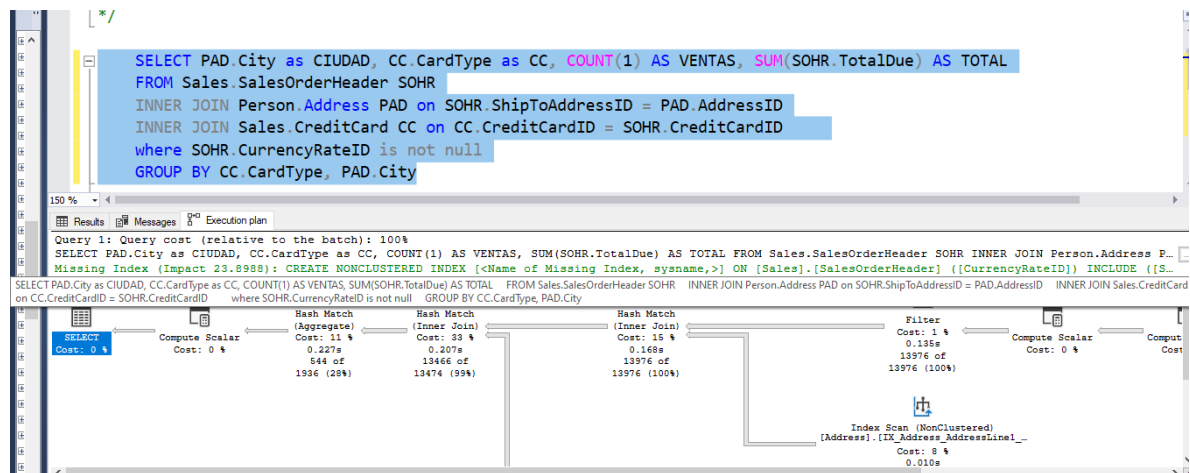Alexander Villatoro 1182118

```sql
SELECT PAD.City as CIUDAD, CC.CardType as CC, COUNT(1) AS VENTAS, SUM(SOHR.TotalDue)
AS TOTAL
    FROM Sales.SalesOrderHeader SOHR
    INNER JOIN Person.Address PAD on SOHR.ShipToAddressID = PAD.AddressID
    INNER JOIN Sales.CreditCard CC on CC.CreditCardID = SOHR.CreditCardID
    where SOHR.CurrencyRateID is not null
    GROUP BY CC.CardType, PAD.City
```



```sql
USE [AdventureWorks2017]
GO
CREATE NONCLUSTERED INDEX ix_Parcial1
ON [Sales].[SalesOrderHeader] ([CurrencyRateID])
INCLUDE ([ShipToAddressID],[CreditCardID],[TotalDue])
GO
```

No es optimizado ya que en este query nos está sugiriendo el Management Studio que le añadamos un índice no agrupado para que nuestro query sea más óptimo.