HW 04(b) DWBI

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Question 1) Find the employees hired in the last 365 days of the data set. Determine the last 365 days with a query. List first and last name along with department.

SELECT p.FirstName, p.LastName, e.HireDate, d.Name AS DepartmentName,d. GroupName

FROM HumanResources.Employee AS e

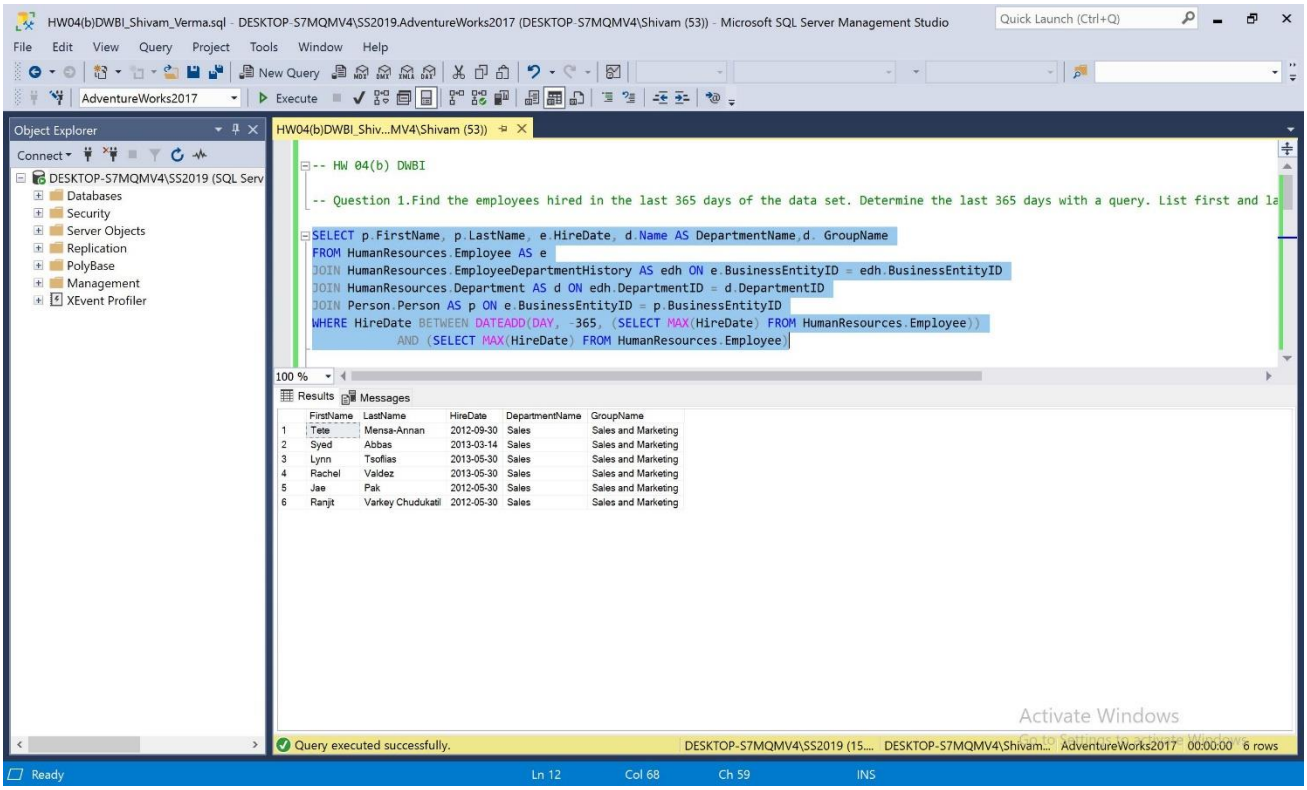
JOIN HumanResources.EmployeeDepartmentHistory AS edh ON e.BusinessEntityID = edh.BusinessEntityID

JOIN HumanResources.Department AS d ON edh.DepartmentID = d.DepartmentID

JOIN Person.Person AS p ON e.BusinessEntityID = p.BusinessEntityID

WHERE HireDate BETWEEN DATEADD (DAY, -365, (SELECT MAX(HireDate) FROM HumanResources.Employee))

AND (SELECT MAX(HireDate) FROM HumanResources.Employee)



Question 2) Show all the employees and add an indicator to the above query showing if they received a raise in the last 365 days.

SELECT p.FirstName, p.LastName, eph.Rate, e.HireDate,

CAST (eph.RateChangeDate AS DATE) AS RateChageDate,

CASE WHEN RateChangeDate > HireDate THEN 1 ELSE 0 END AS Raise_Indicator

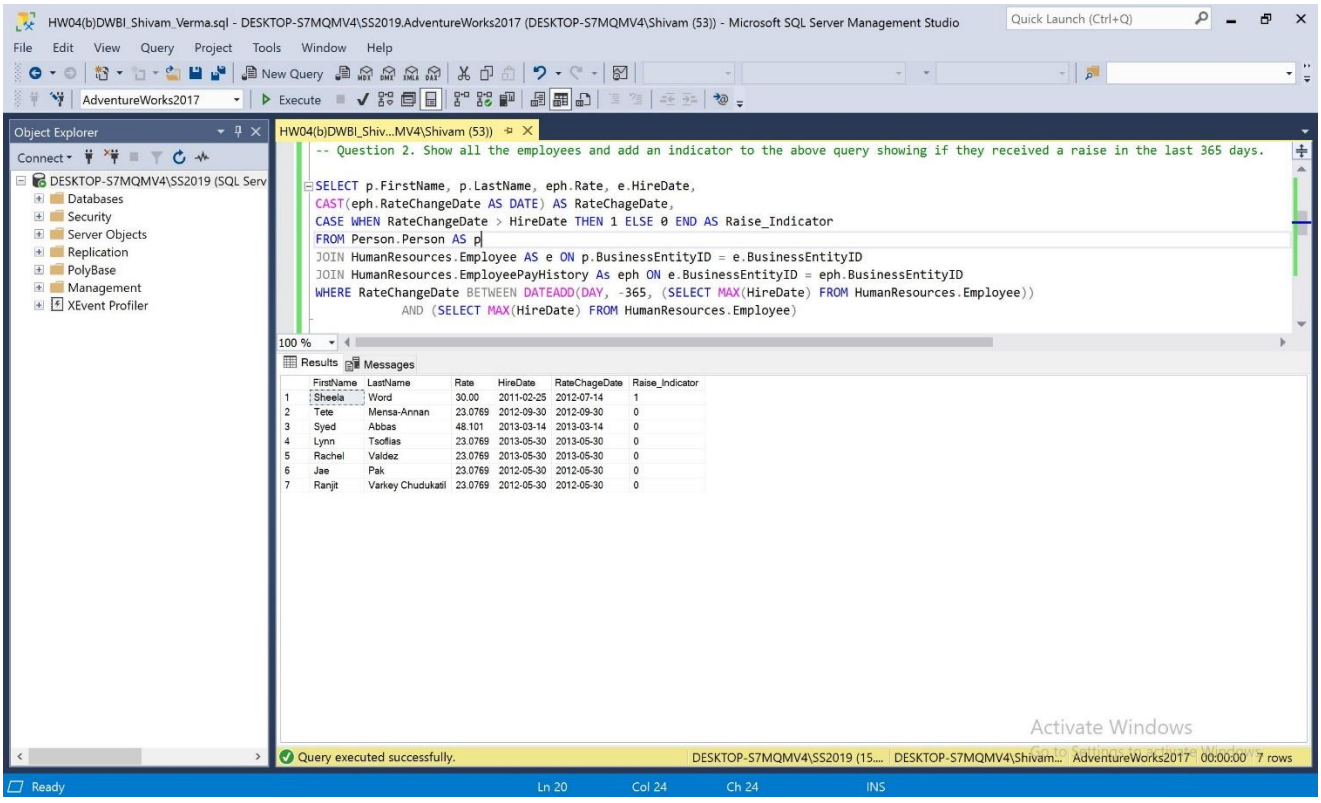
FROM Person.Person AS p

JOIN HumanResources.Employee AS e ON p.BusinessEntityID = e.BusinessEntityID

JOIN HumanResources.EmployeePayHistory As eph ON e.BusinessEntityID = eph.BusinessEntityID

WHERE RateChangeDate BETWEEN DATEADD (DAY, -365, (SELECT MAX(HireDate) FROM HumanResources.Employee))

AND (SELECT MAX(HireDate) FROM HumanResources.Employee)



Question 3. Create a summary sales report by customer show name along with number of orders and the total of the orders.

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SELECT FirstName, LastName, COUNT(SalesOrderNumber) AS NumberOfOrders,
SUM(OrderQty) AS TotalOrderQty, SUM(SubTotal) AS SubTotal, SUM(TaxAmt) AS TaxAmount,
SUM(TotalDue) AS TotalDue, SUM(LineTotal) AS LineTotal
FROM Sales.Customer AS c
JOIN Person.Person AS p ON c.PersonID = p.BusinessEntityID
JOIN Sales.SalesOrderHeader AS soh ON c.CustomerID = soh.CustomerID
JOIN Sales.SalesOrderDetail sod ON soh.SalesOrderID = sod.SalesOrderID
GROUP BY FirstName, LastName
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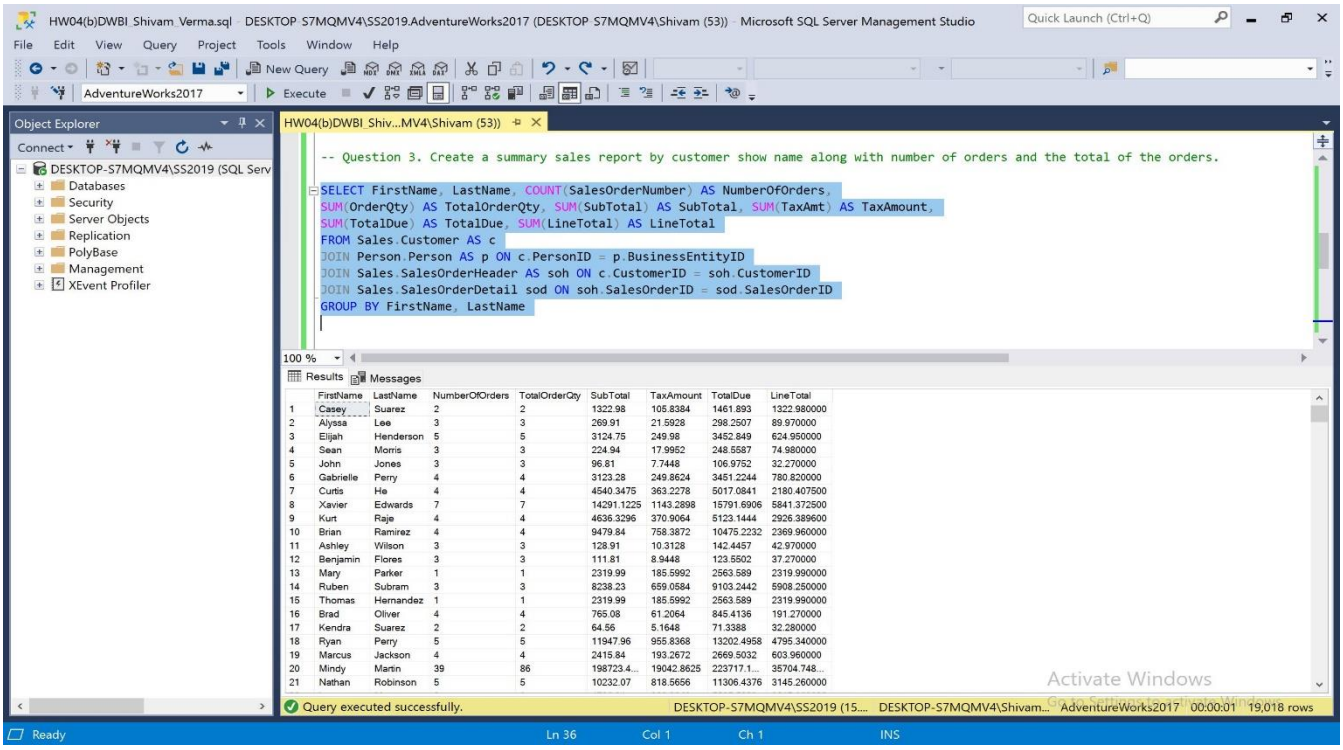

Question 4. Show the credit card info for sales - mask the credit card number data so only the last two digits of the card are visible.

SELECT SalesOrderNumber,FirstName, LastName, CardType,

STUFF (CardNumber, 1, 12, '************') AS CardNumber,

ExpMonth, ExpYear, TotalDue

FROM Sales.Customer c

JOIN Person.Person AS p ON c.PersonID = p.BusinessEntityID

JOIN Sales.SalesOrderHeader AS soh ON c.CustomerID = soh.CustomerID

JOIN Sales.CreditCard AS cc ON soh.CreditCardID = cc.CreditCardID