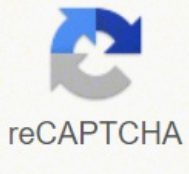


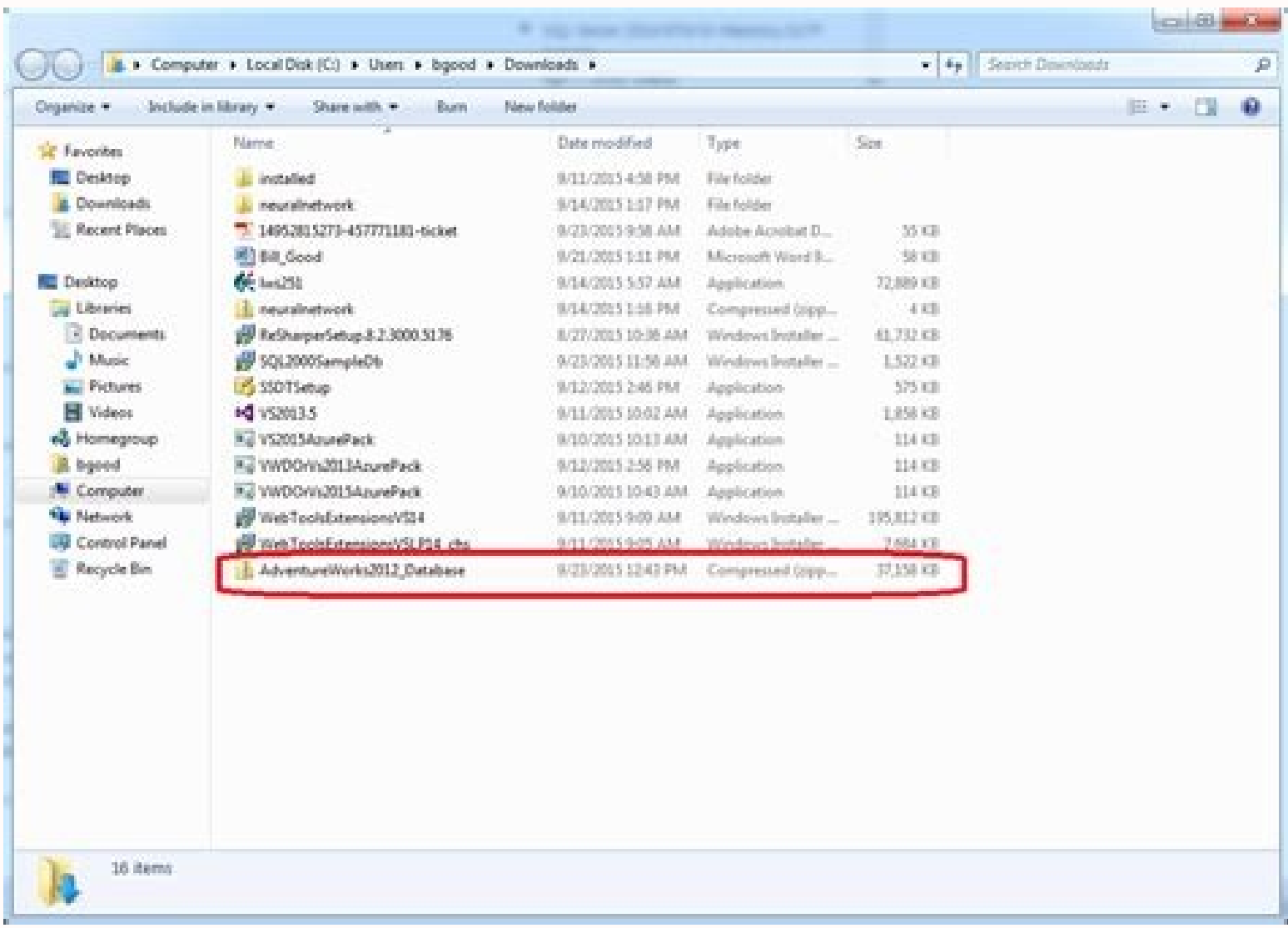
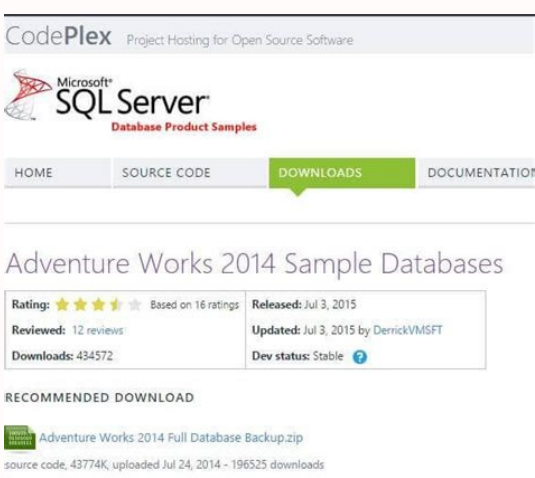
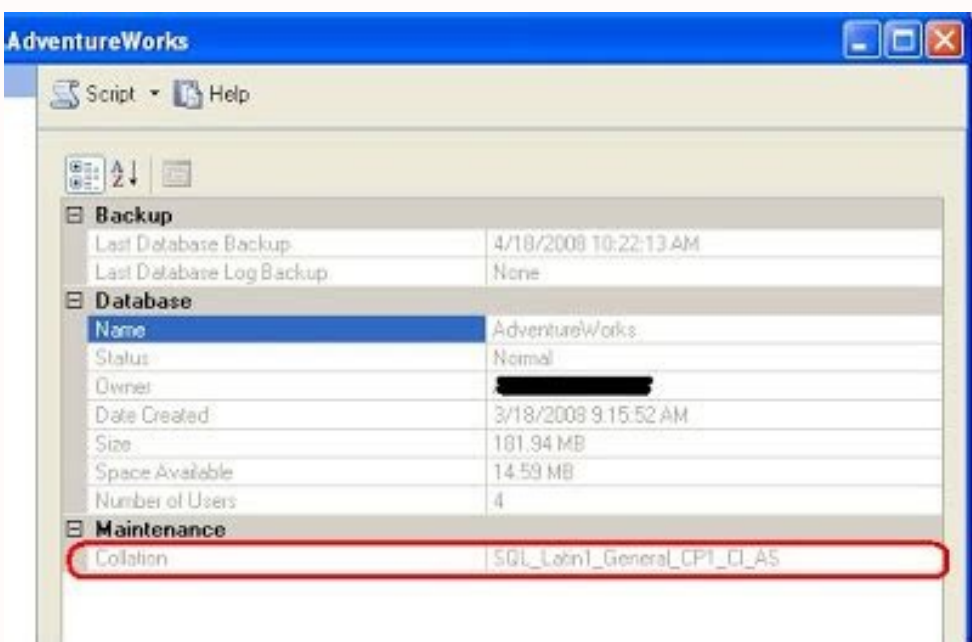


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Adventureworks database query exerci



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This does not mean that my solutions are the only possible ones, and in some cases I will provide more than one response using different approaches. -02 ===== - Retrieve (CONTACTTYPEID, NAME) FOR THE CONTACT TYPE À È " MARKETING MANAGER " - OUTPUT - À È " CONTACTTYPEID - À È " Name Select ContactTypeid, Name from Person.ContactType Where Name = À È " Marketing Manager Third, you will need to use the WHERE clause Combined with the LIKE logical operator to filter the different names containing the word -03 clause, this time is Order by , which orders the returned results. It is important to remember that the order in which the lines are returned in a set of results is not guaranteed unless an Order by clause is specified. To avoid what you can use the TSQL ISNULL () function, to replace the NULL values with the desired value, in this case an empty string <À;À> There are many concepts involved here, so we recommend a È " further reading. The table we can use both is person.[BusinessEntityID] that contains the foreign keys that refer to both tables. - Using a common table expression (to make the query underlying smaller and more readable) - Then it can be combined as inner join or cross apply. With CTE AS (SELECT BUSINESSID, MAX (RATECHANGEDATE) AS RATECHANGEDATE FROM HUMANRESOURCES.EMPLOYEEPAYHISTORY GROUP BY BUSINESSID) Select Convert (Varchar, (H.RateChangeded), 103) AS DateFrom, Concat (LastName, ', First, MiddleName) AS FullName, (40 * H.Rate) as WeeklySalary from AS p INNER JOIN HumanResources.EmployeePayHistory AS h ON h.BusinessEntityID = p.BusinessEntityID ORDER BY FullName The Bonus question gets a bit more complicated as you&AAAd expect. -04===== - Retrieve a list of the different types of contacts which are managers - Output: - - ContactTypeID - - Name AS ContactTypeName, COUNT(*) AS N contacts FROM Person.BusinessEntityContact AS bec INNER JOIN Person.ContactType AS c ON c.ContactTypeID = bec.ContactTypeID GROUP BY c.ContactTypeID, c.Name Just add the ORDER BY clause to complete the next question - -05===== - Retrieve a list of the different types of contacts and how many of them exist in the database - Output: - - ContactTypeID - - ContactTypeName - - N contacts - - Sorted by - - N contacts descending SELECT c.ContactTypeID, c.Name AS ContactTypeName, COUNT(*) AS N contacts FROM Person.BusinessEntityContact AS bec INNER JOIN Person.ContactType AS c ON c.ContactTypeID = bec.ContactTypeID GROUP BY c.ContactTypeID, c.Name ORDER BY COUNT(*) DESC Name before that to filter the returned rows we can use the WHERE clause, but to filter rows - - :tuptoO - esabatad eht ni tsixe nac taht stactnoc fo sepyt tereffid eht fo tsil a eveirter - - =====10- slanoisefory deoneirepxe neve ,ti wonk ot liaf lliw elpoep ynam woh emosewa sAA&Aeti tub suoivbo yterp sduos,erom ro stactnoc 001 evah taht sepyTtactnoc ni detseretni ylnO - - :retlIf - - gnidnecsed stactnoc N - - :ybdetroS - - stactnoc N - - :emaNepyTtactnoc - - DlepyTtactnoc - - :tuptoO - - esabatad eht ni tsixe meht fo ynam woh dna stactnoc fo sepyt tereffid eht fo tsil a eveirter - - =====90- niaga suoiwerp eht fo pot no tliub si eno txeN emaNeldidM ,emaNtsrIF ,emaNtsal ,DlyitnEssensuB,p TCELES gnidnecsa emaNeldidM - - gnidnecsa emaNtsrIF - - gnidnecsa emaNtsal - - :ybdetroS - - :emaNeldidM - - :emaNtsrIF - - :emaNtsal - - DlyitnEssensuB,p NO p SA nosreP ,nosreP NIOJ RENNI DlepyTtactnoc,ceb = DlepyTtactnoc,c NO c SA epyTtactnoc,nosreP NIOJ RENNI ceb SA tcatnoCytinEssensuB,nosreP MORF ,emaNeldidM,LLUNSI ,emaNtsrIF ,emaNtsal ,DlyitnEssensuB,p TCELES gnidnecsa emaNeldidM - - gnidnecsa emaNtsrIF - - gnidnecsa emaNtsal - - :ybdetroS - - :LLUN fo daetsni Ignirts ytpme (" yalpsid ot ,emaNeldidM on si ereht fi ,emaNeldidM - - :emaNtsal - - :DlyitnEssensuB - - :tuptoO - - :reganaM gnisahcrup' era hcihw stactnoc lla fo tsil a eveirter - - ===== - Retrieve a list of the different types of contacts and how many of them exist in the database - Output: - - ContactTypeID - - Name AS ContactTypeName, COUNT(*) AS N contacts FROM Person.BusinessEntityContact AS bec INNER JOIN Person.ContactType AS c ON c.ContactTypeID = bec.ContactTypeID GROUP BY c.ContactTypeID, c.Name Having Count (*) >= 100 ORDER BY COUNT (*) DESC Pi& functions in play, to meet the requirements, we will have to use a function to generate the full name of the column and a other to format the date based on that request, also do some calculation to weekly salary because we only store the hourly rate in the database. - Using subqueries in the WHERE USE AdventureWorks2014 SELECT CONVERT (VARCHAR, (h.RateChangeDate),103) AS DateFrom, CONCAT (LastName, ', First, MiddleName) AS FullName, (40 * h.Rate) AS WeeklySalary FROM Person.Person AS p INNER JOIN HumanResources.EmployeePayHistory AS h ON h.BusinessEntityID = p.BusinessEntityID DOVE h.RateChangeDate = (SELECT MAX (RateChangeDate) FROM HumanResources.EmployeePayHistory DOVE BusinessEntityID = h.BusinessEntityID) ORDER BY FullName We can use a subquery and INNER JOIN to get the desired rows. Depending on approach we intend take, more concepts apply. Again, we need to use an alias to name the column. See you at Day 2 @ AdventureWorks! In other words, we need to find the most recent (MAX) date' when each person changed their salary. Using common table expressions À " - List of employees and their current weekly salary (based on 40 hours per week) - Output: - À RateChangeDate from the historical table alias DateFrom, format @g/mm/yyyyyy' - À 1 column including @LastName, First, MiddleName' called FullName - À WeeklySalary to be calculated - Ordered by - À FullName - - ONLY 1 line per Employee, the current one to be precise. Again, you need to use the GROUP BY clause to get the maximum date for each employee, not just the maximum date in general. The first solution I came up with is to use a related subquery that filters for the maximum date for each person. It's been a while since I posted the Day 1 questions, and I think it's time to post the answers I found. In this SELECT, we need to retrieve only the columns from one of the tables, [Person].[Person], but since we need to filter only those that are "Purchase Manager", we need to somehow involve [Person].[ContactType] in the query. - Using subquery in CONVERT INNER JOIN SELECT (VARCHAR, (h.RateChangeDate),103) AS DateFrom , CONCAT (LastName, ', First, MiddleName) AS FullName , (40 * h.Rate) AS WeeklySalary FROM Person.Person AS p INNER JOIN HumanResour EmployeePayHistory AS h ON

h.BusinessEntityID = p.BusinessEntityID INNER JOIN (SELECT BusinessEntityID, MAX (RateChangeDate) AS RateChangeDate FROM HumanResources.EmployeePayHistory GROUP BY BusinessEntityID) AS Cur ON cur.BusinessEntityID = h.BusinessEntityID AND cur.RateChangeDate = h.RateChangeDate ORDER BY FullName The internal junction can be replaced with CROSS APPLY, but since it does not have the ON clause, we must filter the subquery using the values of the external query – Using subquery and CROSS APPLY SELECT CONVERT (VARCHAR, (h.RateChangeDate), 103) AS DateFrom, CONCAT (LastName, ', ', FirstName, ', ', MiddleName) AS FullName, (40 * AS SettimanaSalary FROM Person.Person AS p INNER JOIN JOIN As h on h.businessentityid = p.businessentityid cross apply (select businessentityid, max (ratechanged) as ratechangedate from humanresources.employeepayhistory where businessentityid = h.businessentityid group by businessentityid having max (ratechangedate) = h.ratechangedate) as cur order by fullname When queries become too big, sometimes for readability it is better to divide logic into small parts to better understand them. better.

02/11/2013 · I don't know which version of AdventureWorks you have - I cannot find a CustomerType column in mine (SQL Server 2012 version). The type of the customer is defined on the Person.Person table in my case.. What I would do to solve this is the following: create a CTE (Common Table Expression) to sum up the sales to the individuals, grouped by year 26/09/2011 · I am trying to become more familiar with SQL by writing queries against the Northwind database. I am looking for some exercises that would help me to learn SQL and features of SQL Server. It is important that the exercises have solutions, and in complicated cases, it would be great if there was an explanation for the query. Day 1 @ AdventureWorks, some basics about SELECT, JOINS and more. The first day of this journey we'll work on the most basic statement I can think of, the SELECT statement. Exercises are growing in difficulty, from the most basic to others a bit more complicated, where you'd get data from more than one table in the.... Continue Reading ».

12/02/2010 · Adventure Works Cycles, the fictitious company on which the AdventureWorks sample databases are based, is a large, multinational manufacturing company. The company manufactures and sells metal and composite bicycles to North American, European and Asian commercial markets. 25/11/2010 · In a previous post, we walked through installing SQL Server 2008 and the Adventure Works databases. Upon successful install, we were able to connect to our database server and expand the installed databases. Let's take a moment to explore our surroundings a little bit. Click the plus sign next to AdventureWorks2008R2. You'll see a number... Doing queries against the tables within the AdventureWorks database is fairly simple; right-click on the database itself and select New Query from the context menu. A blank query window will open where you can enter the query. I'd recommend starting with SELECT queries if you're not very familiar with SQL Then press F5 to run your new query. 30/10/2017 · I am writing a SQL query using Adventure Works 2014 database. I want to show all customers and how many orders each customers have. I tried to write each select statement by itself (see below), but I'd like to be able to combine both queries into one. Highlight and run queries 3 and 4. Determine which query performs the best, and explain why you think so. Working with NULLs. Use the AdventureWorks2012 database to complete this exercise. You can find the solutions in the Appendix. Write a query that displays in the "AddressLine1 (City PostalCode)" format from the Person.Address table.

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