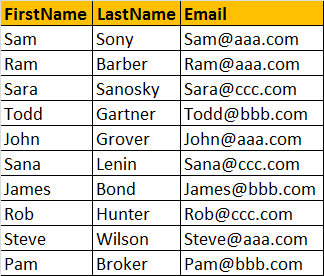
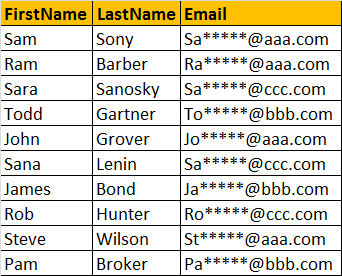
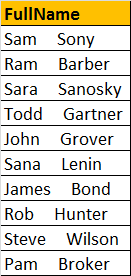
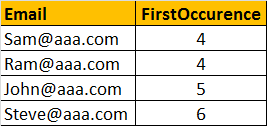
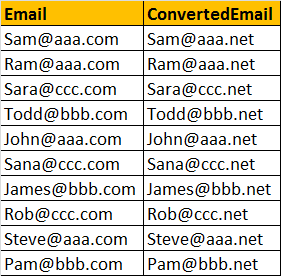
**Before watching this video, please watch**  
[Part 22 – Built in string functions in sql server](http://csharp-video-tutorials.blogspot.com/2012/08/built-in-string-functions-in-sql-server.html)  
[Part 23 – Left, Right, CharIndex and Substring functions](http://csharp-video-tutorials.blogspot.com/2012/08/left-right-charindex-and-substring.html)  
  
**REPLICATE(String\_To\_Be\_Replicated, Number\_Of\_Times\_To\_Replicate)** - Repeats the given string, for the specified number of times.  
  
**Example**: SELECT REPLICATE('Pragim', 3)  
**Output**: Pragim Pragim Pragim   
  
A practical example of using REPLICATE() function: We will be using this table, for the rest of our examples in this article.  
  
  
Let's mask the email with 5 \* (star) symbols. The output should be as shown below.   
  
  
**Query:**  
Select FirstName, LastName, SUBSTRING(Email, 1, 2) + REPLICATE('\*',5) +   
SUBSTRING(Email, CHARINDEX('@',Email), LEN(Email) - CHARINDEX('@',Email)+1) as Email  
from tblEmployee  
   
   
   
**SPACE(Number\_Of\_Spaces)** - Returns number of spaces, specified by the Number\_Of\_Spaces argument.  
  
**Example**: The SPACE(5) function, inserts 5 spaces between FirstName and LastName  
Select FirstName + SPACE(5) + LastName as FullName  
From tblEmployee  
  
**Output:**   
   
  
**PATINDEX('%Pattern%', Expression)**  
Returns the starting position of the first occurrence of a pattern in a specified expression. It takes two arguments, the pattern to be searched and the expression. PATINDEX() is simial to CHARINDEX(). With CHARINDEX() we cannot use wildcards, where as PATINDEX() provides this capability. If the specified pattern is not found, PATINDEX() returns ZERO.  
  
**Example:**   
Select Email, PATINDEX('%@aaa.com', Email) as FirstOccurence   
from tblEmployee  
Where PATINDEX('%@aaa.com', Email) > 0  
  
**Output:**  
  
  
  
**REPLACE(String\_Expression, Pattern , Replacement\_Value)**  
Replaces all occurrences of a specified string value with another string value.  
  
**Example**: All .COM strings are replaced with .NET  
Select Email, REPLACE(Email, '.com', '.net') as ConvertedEmail  
from  tblEmployee  
  
   
  
**STUFF(Original\_Expression, Start, Length, Replacement\_expression)**  
STUFF() function inserts Replacement\_expression, at the start position specified, along with removing the charactes specified using Length parameter.  
  
**Example**:  
Select FirstName, LastName,Email, STUFF(Email, 2, 3, '\*\*\*\*\*') as StuffedEmail  
From tblEmployee  
  
Output:  
