Task#1.

Write a query that generates virtual table of numbers from 1 to 10 without using loops.

Output:

n

-----------

Task#2.

Return customers that had orders in April 2008 but not in March 2008

Output:

CustomerID LastName FirstName

----------- ---------- ---------

Task#3.

Return customers that had orders in both April 2008 and March 2008

Output:

CustomerID LastName FirstName

----------- ---------- ---------

Task#4.

Return customers that had orders in both April 2008 and March 2008 but not in 2007

Output:

CustomerID LastName FirstName

---------- --------- -----------

Task#5.

You are given the following query:

SELECT BusinessEntityID

FROM HumanResources.Employee

UNION ALL

SELECT BusinessEntityID

FROM Purchasing.Vendor

Your task is to add the following lodgic to that query:

1) it should return also last names of employees and names of vendors

2) employee records should be returned before vendor records

3) records within each partition should be sorted by name

Output:

BusinessEntityID Name

---------------- ----

Task#6.

Select employees that are currently working in Sales department that did not place orders in 2006.

Output:

BusinessEntityID LastName FirstName

---------------- -------- ---------