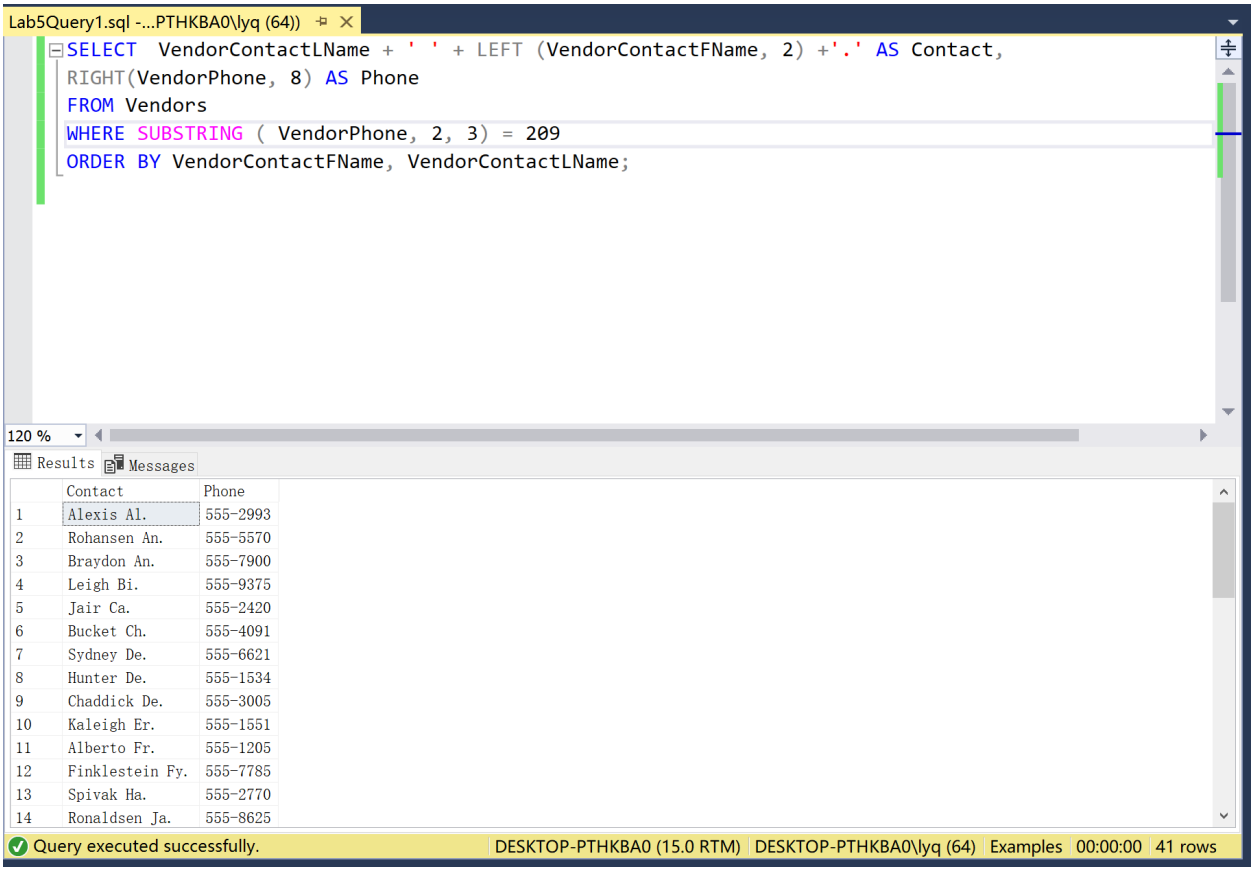
Lab 5: Subqueries Functions

1. Write a SELECT statement that returns two columns based on the Vendors table. The first column, Contact, is the vendor contact name in this format: Vendor Last name followed by first two letters of Vendor First name (for example, the format must look like, "Alberto Fr.") The second column, Phone, is the VendorPhone column without the area code. Only return rows for those vendors in the 209 area code. Sort the results set by first name, then last name. Use Examples database.

As you can see in the screenshot as below, here are 41 vendors set by their first two letters of first name, then last name.



Lab5Query1.sql -...PTHKBA0\lyq (64))

```
SELECT  VendorContactLName + ' ' + LEFT (VendorContactFName, 2) +'.' AS Contact,
RIGHT(VendorPhone, 8) AS Phone
FROM Vendors
WHERE SUBSTRING ( VendorPhone, 2, 3) = 209
ORDER BY VendorContactFName, VendorContactLName;
```

120 %

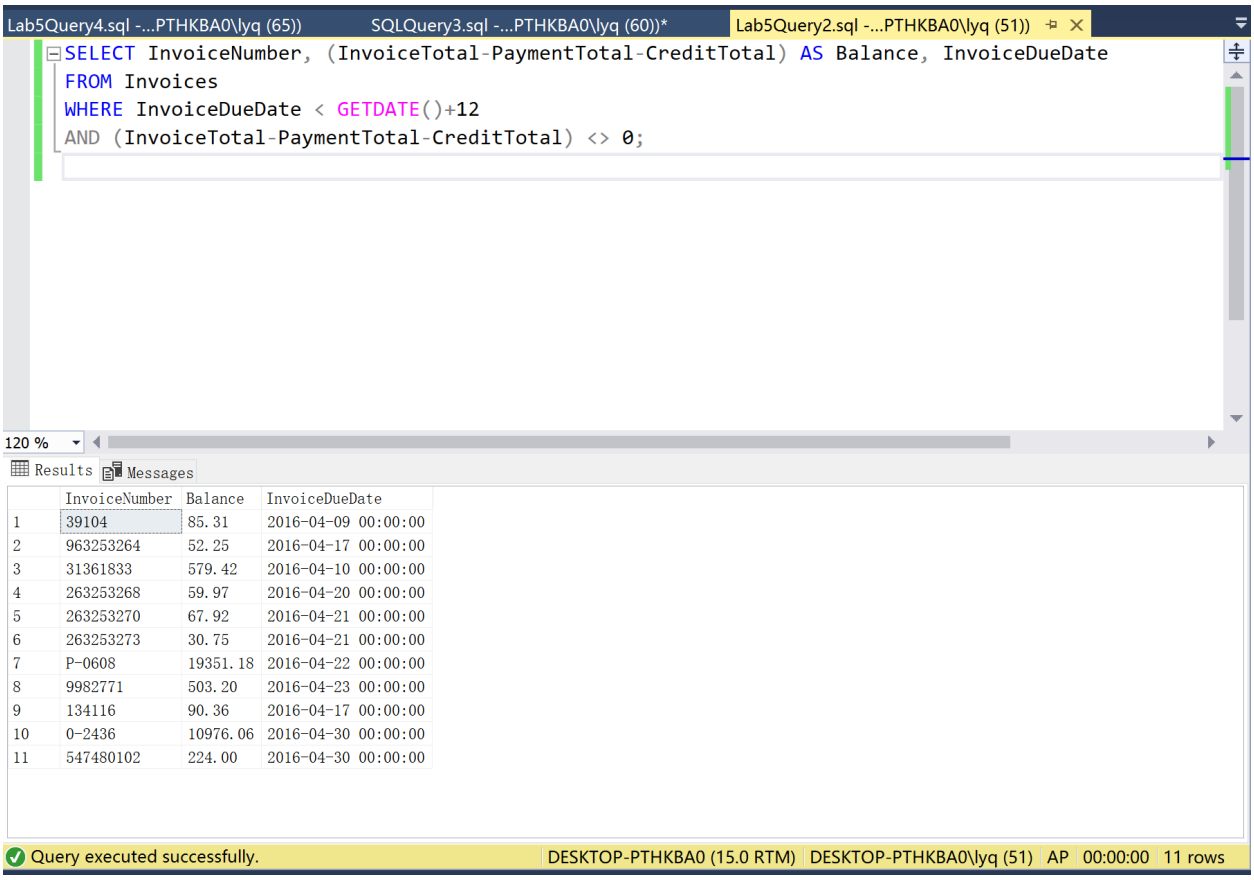
Results | Messages

	Contact	Phone
1	Alexis Al.	555-2993
2	Rohansen An.	555-5570
3	Braydon An.	555-7900
4	Leigh Bi.	555-9375
5	Jair Ca.	555-2420
6	Bucket Ch.	555-4091
7	Sydney De.	555-6621
8	Hunter De.	555-1534
9	Chaddick De.	555-3005
10	Kaleigh Er.	555-1551
11	Alberto Fr.	555-1205
12	Finklestein Fy.	555-7785
13	Spivak Ha.	555-2770
14	Ronaldsen Ja.	555-8625

Query executed successfully. DESKTOP-PTHKBA0 (15.0 RTM) DESKTOP-PTHKBA0\lyq (64) Examples 00:00:00 41 rows

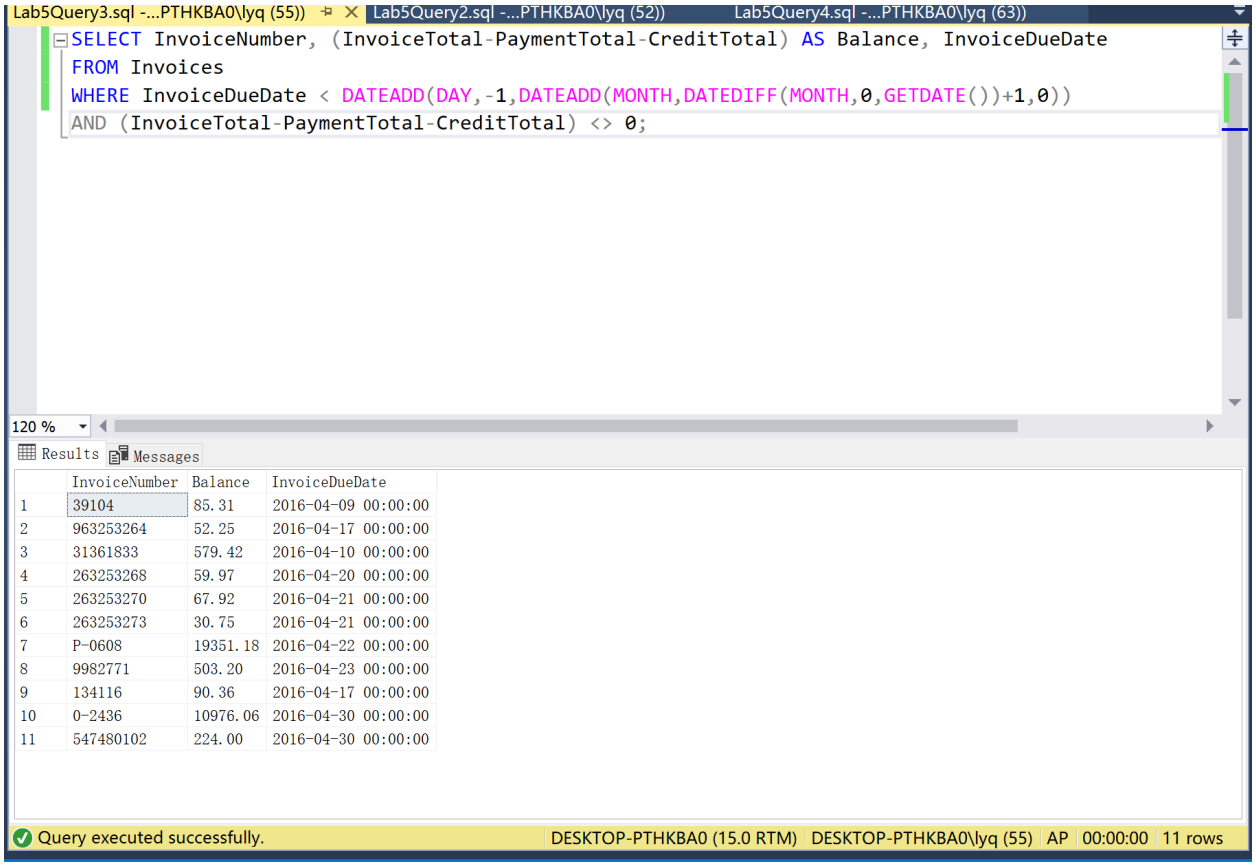
2. Write a SELECT statement that returns the InvoiceNumber and balance due for every invoice with a non-zero balance and an InvoiceDueDate that's less than 12 days from today (i.e. InvoiceDueDate < today's date + 12).

As you can see in the screenshot, here are 11 selected invoices.



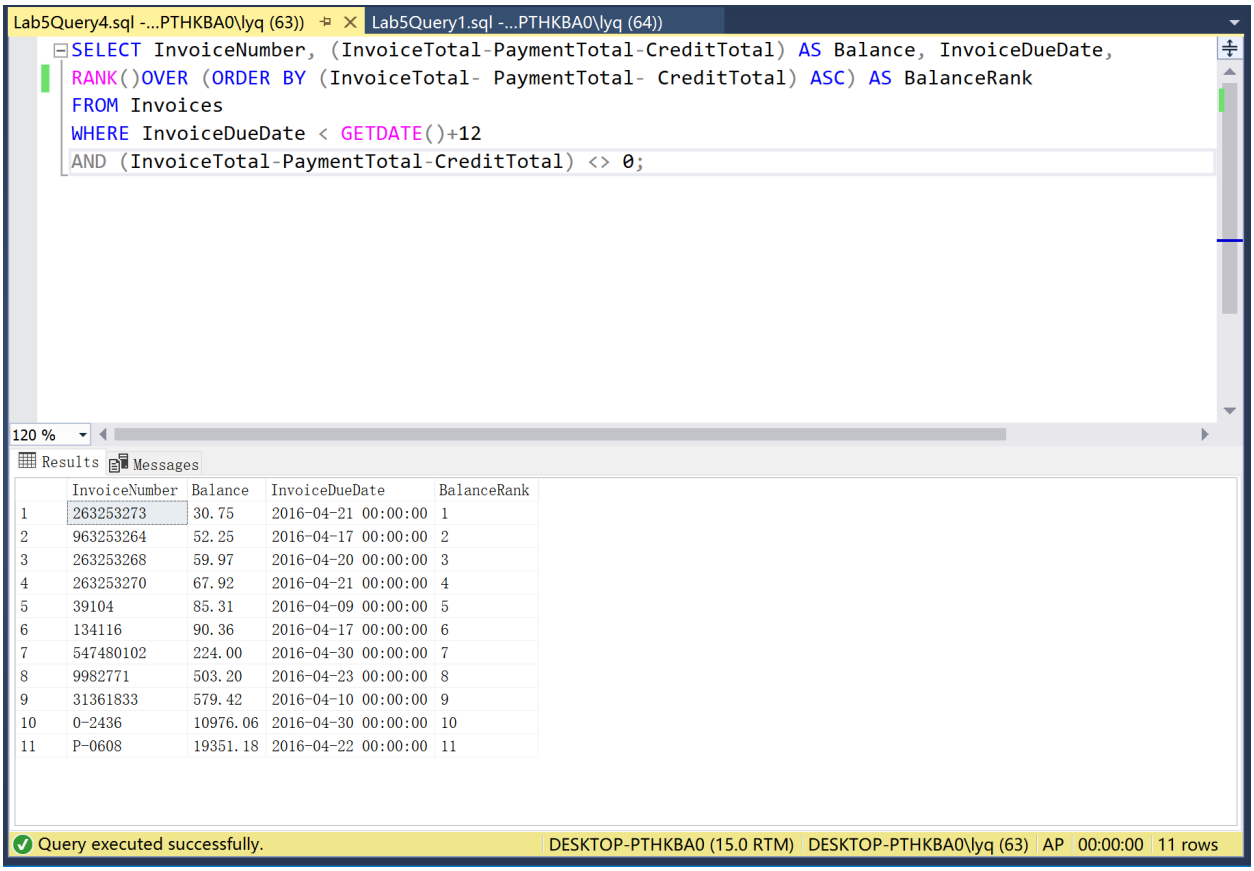
3. Modify the search expression for InvoiceDueDate from the solution for question 2. Rather than 12 days from today, return invoices due before the last day of the current month.

As the query shows, there are 11 invoices due before the last day of the current month.



4. Add a column to the query described in question 2 that uses the RANK() function to return a column named BalanceRank that ranks the balance due in ascending order.

As the screenshot shows, you could see the ascending order of balance.



	InvoiceNumber	Balance	InvoiceDueDate	BalanceRank
1	263253273	30.75	2016-04-21 00:00:00	1
2	963253264	52.25	2016-04-17 00:00:00	2
3	263253268	59.97	2016-04-20 00:00:00	3
4	263253270	67.92	2016-04-21 00:00:00	4
5	39104	85.31	2016-04-09 00:00:00	5
6	134116	90.36	2016-04-17 00:00:00	6
7	547480102	224.00	2016-04-30 00:00:00	7
8	9982771	503.20	2016-04-23 00:00:00	8
9	31361833	579.42	2016-04-10 00:00:00	9
10	0-2436	10976.06	2016-04-30 00:00:00	10
11	P-0608	19351.18	2016-04-22 00:00:00	11