Instructions: Design a stored procedure that has at least two joins and two parameters.
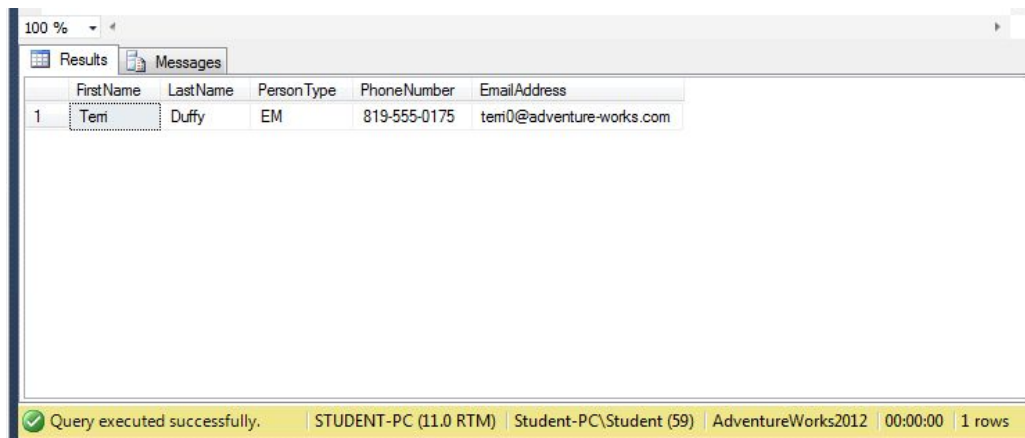
For my stored procedure, I decided to create a contact finder that would return the first name, last name, phone number and email address of a person given the person's type or last name (or one of these, or neither of these - in which case, all the Person.Person records would be displayed).

Here's the code I wrote to create the procedure:

```
CREATE PROC [dbo].[uspPersonContactFinder] @Type varchar(2) = NULL, @Last
varchar (30) = NULL
AS
        SELECT P.FirstName, P.LastName, P.PersonType, F.PhoneNumber,
E.EmailAddress
                FROM Person.Person AS P
                        INNER JOIN Person.PersonPhone AS F
                                ON P.BusinessEntityID = F.BusinessEntityID
                        INNER JOIN Person.EmailAddress AS E
                                ON F.BusinessEntityID = E.BusinessEntityID
                WHERE P.PersonType = ISNULL(@Type, P.PersonType)
                AND P.LastName = ISNULL(@Last, P.LastName)
```

To test this, I ran the following 4 tests.

Result of Test #1 uspPersonContactFinder EM, Duffy

Result of Test #2 uspPersonContactFinder NULL, Hill

	FirstName	LastName	PersonType	PhoneNumber	EmailAddress
1	Aaron	Hill	IN	1 (11) 500 555-0183	aaron46@adventure-works.com
2	Adam	Hill	IN	1 (11) 500 555-0163	adam43@adventure-works.com
3	Alex	Hill	IN	1 (11) 500 555-0124	alex42@adventure-works.com
4	Alexandra	Hill	IN	172-555-0157	alexandra63@adventure-works.com
5	Amanda	Hill	IN	273-555-0112	amanda65@adventure-works.com
6	Amber	Hill	IN	320-555-0155	amber13@adventure-works.com
7	Andrea	Hill	IN	979-555-0144	andrea35@adventure-works.com
8	Andrew	Hill	EM	908-555-0159	andrew0@adventure-works.com
9	Andrew	Hill	SC	194-555-0149	andrew4@adventure-works.com
10	Andrew	Hill	GC	360-555-0100	andrew6@adventure-works.com
11	Angel	Hill	IN	859-555-0153	angel36@adventure-works.com

Query executed successfully.　STUDENT-PC (11.0 RTM)　Student-PC\Student (59)　AdventureWorks2012　00:00:00　85 rows

Result of Test #3 uspPersonContactFinder EM, NULL

	FirstName	LastName	PersonType	PhoneNumber	EmailAddress
1	Alan	Brewer	EM	438-555-0172	alan0@adventure-works.com
2	Alejandro	McGuel	EM	668-555-0130	alejandro0@adventure-works.com
3	Alex	Nayberg	EM	819-555-0198	alex0@adventure-works.com
4	Alice	Ciccu	EM	333-555-0173	alice0@adventure-works.com
5	Andreas	Berglund	EM	181-555-0124	andreas0@adventure-works.com
6	Andrew	Hill	EM	908-555-0159	andrew0@adventure-works.com
7	Andrew	Cencini	EM	207-555-0192	andrew1@adventure-works.com
8	Andy	Ruth	EM	118-555-0110	andy0@adventure-works.com
9	Angela	Barbariol	EM	150-555-0194	angela0@adventure-works.com
10	Anibal	Sousa	EM	106-555-0120	anibal0@adventure-works.com
11	Annette	Hill	EM	125-555-0196	annette0@adventure-works.com

Query executed successfully.　STUDENT-PC (11.0 RTM)　Student-PC\Student (59)　AdventureWorks2012　00:00:00　273 rows

Result of Test #4 uspPersonContactFinder

	FirstName	LastName	PersonType	PhoneNumber	EmailAddress
1	A.	Wright	GC	675-555-0100	a1@adventure-works.com
2	Aaron	Simmons	IN	143-555-0139	aaron14@adventure-works.com
3	Aaron	Bryant	IN	754-555-0137	aaron17@adventure-works.com
4	Aaron	Russell	IN	1 (11) 500 555-0142	aaron19@adventure-works.com
5	Aaron	Nicholls	GC	160-555-0100	aaron2@adventure-works.com
6	Aaron	Griffin	IN	306-555-0143	aaron20@adventure-works.com
7	Aaron	Lal	IN	605-555-0159	aaron29@adventure-works.com
8	Aaron	Sharma	IN	500-555-0177	aaron30@adventure-works.com
9	Aaron	Nelson	IN	690-555-0178	aaron42@adventure-works.com
10	Aaron	Hill	IN	1 (11) 500 555-0183	aaron46@adventure-works.com
11	Aaron	Wright	IN	1 (11) 500 555-0180	aaron52@adventure-works.com

Query executed successful...　STUDENT-PC (11.0 RTM)　Student-PC\Student (59)　AdventureWorks2012　00:00:00　19972 rows