Assignment 8
James Livingstone

Answer #1

```sql
SELECT dbo.uf_LNFN(LastName, FirstName) AS EmployeeName, HRD.Name AS Department, JobTitle
FROM HumanResources.Employee AS HRE
        JOIN HumanResources.EmployeeDepartmentHistory AS HREDH ON HRE.BusinessEntityID =
HREDH.BusinessEntityID
        JOIN Person.Person AS PP ON HREDH.BusinessEntityID = PP.BusinessEntityID
        JOIN HumanResources.Department AS HRD ON HREDH.DepartmentID = HRD.DepartmentID
WHERE EndDate IS NULL;
```

	EmployeeName	Department	JobTitle
1	Ken, Sánchez	Executive	Chief Executive Officer
2	Terri, Duffy	Engineering	Vice President of Engineering
3	Roberto, Tamburello	Engineering	Engineering Manager
4	Rob, Walters	Tool Design	Senior Tool Designer
5	Gail, Erickson	Engineering	Design Engineer
6	Jossef, Goldberg	Engineering	Design Engineer
7	Dylan, Miller	Research and Development	Research and Development Manager
8	Diane, Margheim	Research and Development	Research and Development Engineer
9	Gigi, Matthew	Research and Development	Research and Development Engineer
10	Michael, Raheem	Research and Development	Research and Development Manager
11	Ovidiu, Cracium	Tool Design	Senior Tool Designer
12	Thierry, D'Hers	Tool Design	Tool Designer
13	Janice, Galvin	Tool Design	Tool Designer
14	Michael, Sullivan	Engineering	Senior Design Engineer
15	Sharon, Salavaria	Engineering	Design Engineer
16	David, Bradley	Marketing	Marketing Manager
17	Kevin, Brown	Marketing	Marketing Assistant
18	John, Wood	Marketing	Marketing Specialist
19	Mary, Dempsey	Marketing	Marketing Assistant

Query executed successfully.   MSI (15.0 RTM)   MSI\fired (78)   AdventureWorks2017   00:00:00   290 rows

Assignment 8
James Livingstone

Answer #2

```sql
SELECT dbo.uf_LNFN(LastName, FirstName) AS EmployeeName, HRD.Name AS Department,
JobTitle, City, PostalCode, SpatialLocation
FROM HumanResources.Employee AS HRE
        JOIN HumanResources.EmployeeDepartmentHistory AS HREDH ON HRE.BusinessEntityID =
HREDH.BusinessEntityID
        JOIN Person.Person AS PP ON HREDH.BusinessEntityID = PP.BusinessEntityID
        JOIN HumanResources.Department AS HRD ON HREDH.DepartmentID = HRD.DepartmentID
        JOIN Person.BusinessEntityAddress AS PBEA ON PP.BusinessEntityID =
PBEA.BusinessEntityID
        JOIN Person.AddressType AS PAT ON PBEA.AddressTypeID = PAT.AddressTypeID
        JOIN Person.Address AS PA ON PBEA.AddressID = PA.AddressID
WHERE EndDate IS NULL AND
        PAT.Name = 'Home';
```

Results   Spatial results   Messages

	EmployeeName	Department	JobTitle	City	PostalCode	SpatialLocation
1	Ken, Sánchez	Executive	Chief Executive Officer	Newport Hills	98006	0xE6100000010C0B5D7B65AFCC474006758A4FFC915EC0
2	Terri, Duffy	Engineering	Vice President of Engineering	Renton	98055	0xE6100000010C8722737D2EC247403786052100905EC0
3	Roberto, Tamburello	Engineering	Engineering Manager	Redmond	98052	0xE6100000010CEB81660ED7D14740A62E83E4BC915EC0
4	Rob, Walters	Tool Design	Senior Tool Designer	Minneapolis	55402	0xE6100000010CF6DA1C0F1A824640736C8F63645757C0
5	Gail, Erickson	Engineering	Design Engineer	Bellevue	98004	0xE6100000010C2D181E3B48C94740E145C95BE1945EC0
6	Jossef, Goldberg	Engineering	Design Engineer	Renton	98055	0xE6100000010CFF8075F335B447401FED79C565875EC0
7	Dylan, Miller	Research and Development	Research and Development Manager	Kenmore	98028	0xE6100000010C1BF06593F0E04740C9F2DFDB748F5EC0
8	Diane, Margheim	Research and Development	Research and Development Engineer	Everett	98201	0xE6100000010C12A255DB53F74740965705D7DD855EC0
9	Gigi, Matthew	Research and Development	Research and Development Engineer	Bellevue	98004	0xE6100000010C53CD727054CC4740CADBA8BA7E8B5EC0
10	Michael, Raheem	Research and Development	Research and Development Manager	San Francisco	94109	0xE6100000010CD112C650FFEB424070AFA4D239965EC0
11	Ovidiu, Cracium	Tool Design	Senior Tool Designer	Kenmore	98028	0xE6100000010C375FC7A9D3DA4740C5B749B3CD915EC0
12	Thierry, D'Hers	Tool Design	Tool Designer	Bothell	98011	0xE6100000010CAE8BFC28BCE4474067A89189898A5EC0
13	Janice, Galvin	Tool Design	Tool Designer	Redmond	98052	0xE6100000010C60585B89A8DE4740F1B11F511B825EC0
14	Michael, Sullivan	Engineering	Senior Design Engineer	Renton	98055	0xE6100000010CE81997F2FEB247403786052100905EC0
15	Sharon, Salavaria	Engineering	Design Engineer	Renton	98055	0xE6100000010CD0E97F7676B847406C7DDF200D855EC0
16	David, Bradley	Marketing	Marketing Manager	Redmond	98052	0xE6100000010C4263FA4502D047403A0F01A8648F5EC0
17	Kevin, Brown	Marketing	Marketing Assistant	Everett	98201	0xE6100000010CE896045A50FF4740B3B1C33185835EC0

✅ Query executed successfully.   MSI (15.0 RTM)   MSI\fired (58)   AdventureWorks2017   00:00:00   290 rows

Assignment 8
James Livingstone

Answer #3

```sql
SELECT dbo.uf_LNFN(LastName, FirstName) AS EmployeeName, HRD.Name AS Department,
JobTitle, City, PostalCode, SpatialLocation, SpatialLocation.Lat AS Latitude,
SpatialLocation.Long AS Longitude
FROM HumanResources.Employee AS HRE
      JOIN HumanResources.EmployeeDepartmentHistory AS HREDH ON HRE.BusinessEntityID =
HREDH.BusinessEntityID
      JOIN Person.Person AS PP ON HREDH.BusinessEntityID = PP.BusinessEntityID
      JOIN HumanResources.Department AS HRD ON HREDH.DepartmentID = HRD.DepartmentID
      JOIN Person.BusinessEntityAddress AS PBEA ON PP.BusinessEntityID =
PBEA.BusinessEntityID
      JOIN Person.AddressType AS PAT ON PBEA.AddressTypeID = PAT.AddressTypeID
      JOIN Person.Address AS PA ON PBEA.AddressID = PA.AddressID
WHERE EndDate IS NULL AND
      PAT.Name = 'Home';
```

Results | Spatial results | Messages

	EmployeeName	Department	JobTitle	City	PostalCode	SpatialLocation	Latitude	Longitude
1	Ken, Sánchez	Executive	Chief Executive Officer	Newport Hills	98006	0xE6100000010C0B5D7B65AFCC474006758A4FFC915EC0	47.5991026737557	-122.281024823391
2	Terri, Duffy	Engineering	Vice President of Engineering	Renton	98055	0xE6100000010C8722737D2EC247403786052100905EC0	47.5170437633688	-122.250007872958
3	Roberto, Tamburello	Engineering	Engineering Manager	Redmond	98052	0xE6100000010CEB81660ED7D14740A62E83E4BC915EC0	47.6393754959607	-122.277154090984
4	Rob, Walters	Tool Design	Senior Tool Designer	Minneapolis	55402	0xE6100000010CF6DA1C0F1A824640736C8F63645757C0	45.0164202586074	-93.365502252638
5	Gail, Erickson	Engineering	Design Engineer	Bellevue	98004	0xE6100000010C2D181E3B48C94740E145C95BE1945EC0	47.5725168129869	-122.326254793697
6	Jossef, Goldberg	Engineering	Design Engineer	Renton	98055	0xE6100000010CFF8075F335B447401FED79C565875EC0	47.407896454215	-122.115586632794
7	Dylan, Miller	Research and Development	Research and Development Manager	Kenmore	98028	0xE6100000010C1BF06593F0E04740C9F2DFDB748F5EC0	47.7573417899841	-122.241507500362
8	Diane, Margheim	Research and Development	Research and Development Engineer	Everett	98201	0xE6100000010C12A255DB53F74740965705D7DD855EC0	47.9322466056948	-122.091665034501
9	Gigi, Matthew	Research and Development	Research and Development Engineer	Bellevue	98004	0xE6100000010C53CD727054CC4740CADBA8BA7E8B5EC0	47.5963268814618	-122.179609932805
10	Michael, Raheem	Research and Development	Research and Development Manager	San Francisco	94109	0xE6100000010CD112C650FFEB424070AFA4D239965EC0	37.8437291114002	-122.347279225183
11	Ovidiu, Cracium	Tool Design	Senior Tool Designer	Kenmore	98028	0xE6100000010C375FC7A9D3DA4740C5B749B3CD915EC0	47.7095844481941	-122.278179952612
12	Thierry, D'Hers	Tool Design	Tool Designer	Bothell	98011	0xE6100000010CAE8BFC28BCE4474067A89189898A5EC0	47.7869921906598	-122.164644615406
13	Janice, Galvin	Tool Design	Tool Designer	Redmond	98052	0xE6100000010C60585B89A8DE4740F1B11F511B825EC0	47.7395183273336	-122.032917290642
14	Michael, Sullivan	Engineering	Senior Design Engineer	Renton	98055	0xE6100000010CE81997F2FEB247403786052100905EC0	47.3984053838538	-122.250007872958
15	Sharon, Salavaria	Engineering	Design Engineer	Renton	98055	0xE6100000010CD0E97F7676B847406C7DDF200D855EC0	47.4411152004792	-122.078926294567
16	David, Bradley	Marketing	Marketing Manager	Redmond	98052	0xE6100000010C4263FA4502D047403A0F01A8648F5EC0	47.6250693771931	-122.240518570933
17	Kevin, Brown	Marketing	Marketing Assistant	Everett	98201	0xE6100000010CE896045A50FF4740B3B1C33185835EC0	47.9946396372232	-122.055004540546

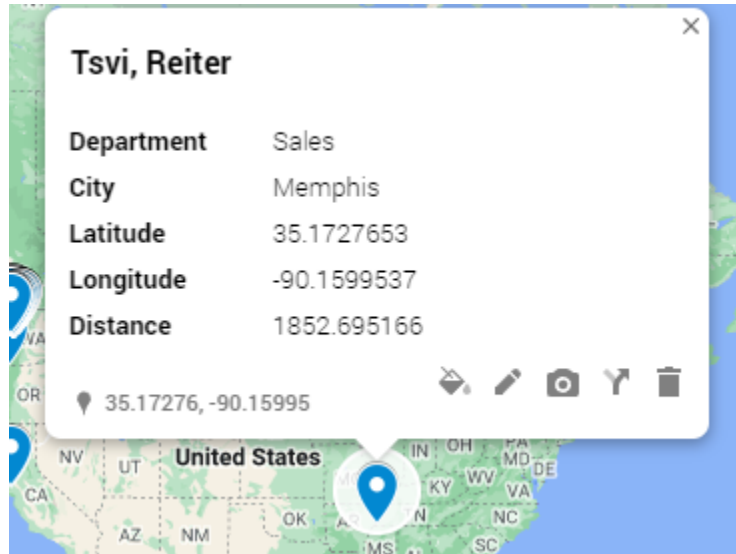Query executed successfully. | MSI (15.0 RTM) | MSI\fired (78) | AdventureWorks2017 | 00:00:00 | 290 rows

Assignment 8
James Livingstone

Answer #4

```sql
SELECT dbo.uf_LNFN(LastName, FirstName) AS EmployeeName, HRD.Name AS Department,
JobTitle, City, PostalCode, SpatialLocation, SpatialLocation.Lat AS Latitude,
SpatialLocation.Long AS Longitude
INTO #T1
FROM HumanResources.Employee AS HRE
    JOIN HumanResources.EmployeeDepartmentHistory AS HREDH ON HRE.BusinessEntityID =
HREDH.BusinessEntityID
    JOIN Person.Person AS PP ON HREDH.BusinessEntityID = PP.BusinessEntityID
    JOIN HumanResources.Department AS HRD ON HREDH.DepartmentID = HRD.DepartmentID
    JOIN Person.BusinessEntityAddress AS PBEA ON PP.BusinessEntityID =
PBEA.BusinessEntityID
    JOIN Person.AddressType AS PAT ON PBEA.AddressTypeID = PAT.AddressTypeID
    JOIN Person.Address AS PA ON PBEA.AddressID = PA.AddressID
WHERE EndDate IS NULL AND
    PAT.Name = 'Home';
```

Messages

```
(290 rows affected)

Completion time: 2022-11-01T19:49:15.0142305-05:00
```

110 %

✔ Query executed successfully. | MSI (15.0 RTM) | MSI\fired (78) | AdventureWorks2017 | 00:00:00 | 0 rows

Assignment 8
James Livingstone

Answer #5

```sql
SELECT EmployeeName, Department, City, Latitude, Longitude, Distance
FROM #T1
```

	EmployeeName	Department	City	Latitude	Longitude	Distance
1	Ken, Sánchez	Executive	Newport Hills	47.5991026737557	-122.281024823391	7.37475687586173
2	Terri, Duffy	Engineering	Renton	47.5170437633688	-122.250007872958	10.1460278073982
3	Roberto, Tamburello	Engineering	Redmond	47.6393754959607	-122.277154090984	6.56445184517838
4	Rob, Walters	Tool Design	Minneapolis	45.0164202586074	-93.365502252638	1380.41523915457
5	Gail, Erickson	Engineering	Bellevue	47.5725168129869	-122.326254793697	10.0855378718652
6	Jossef, Goldberg	Engineering	Renton	47.407896454215	-122.115586632794	16.2218787267528
7	Dylan, Miller	Research and Development	Kenmore	47.7573417899841	-122.241507500362	9.33396687674754
8	Diane, Margheim	Research and Development	Everett	47.9322466056948	-122.091665034501	20.1426032474719
9	Gigi, Matthew	Research and Development	Bellevue	47.5963268814618	-122.179609932805	3.75603521390062
10	Michael, Raheem	Research and Development	San Francisco	37.8437291114002	-122.347279225183	676.447060677615
11	Ovidiu, Cracium	Tool Design	Kenmore	47.7095844481941	-122.278179952612	8.07764568670275
12	Thierry, D'Hers	Tool Design	Bothell	47.7869921906598	-122.164644615406	10.0830638940875
13	Janice, Galvin	Tool Design	Redmond	47.7395183273336	-122.032917290642	8.27871915296548
14	Michael, Sullivan	Engineering	Renton	47.3984053838538	-122.250007872958	17.6634510133037
15	Sharon, Salavaria	Engineering	Renton	47.4411152004792	-122.078926294567	14.1568003295995
16	David, Bradley	Marketing	Redmond	47.6250693771931	-122.240518570933	4.99500434252619
17	Kevin, Brown	Marketing	Everett	47.9946396372232	-122.055004540546	24.6387518035371

Query executed successfully.   MSI (15.0 RTM)   MSI\fired (78)   AdventureWorks2017   00:00:00   290 rows

Assignment 8
James Livingstone

Answer #6

	EmployeeName	Department	City	Latitude	Longitude	Distance
1	EmployeeName	Department	City	Latitude	Longitude	Distance
2	AdventureWorks			47.642275	-122.136626	0
3	Ken, Sánchez	Executive	Newport Hills	47.59910267	-122.2810248	7.374756876
4	Terri, Duffy	Engineering	Renton	47.51704376	-122.2500079	10.14602781
5	Roberto, Tamburello	Engineering	Redmond	47.6393755	-122.2771541	6.564451845
6	Rob, Walters	Tool Design	Minneapolis	45.01642026	-93.36550225	1380.415239
7	Gail, Erickson	Engineering	Bellevue	47.57251681	-122.3262548	10.08553787
8	Jossef, Goldberg	Engineering	Renton	47.40789645	-122.1155866	16.22187873
9	Dylan, Miller	Research and Development	Kenmore	47.75734179	-122.2415075	9.333966877
10	Diane, Margheim	Research and Development	Everett	47.93224661	-122.091665	20.14260325
11	Gigi, Matthew	Research and Development	Bellevue	47.59632688	-122.1796099	3.756035214
12	Michael, Raheem	Research and Development	San Francisco	37.84372911	-122.3472792	676.4470607
13	Ovidiu, Cracium	Tool Design	Kenmore	47.70958445	-122.27818	8.077645687
14	Thierry, D'Hers	Tool Design	Bothell	47.78699219	-122.1646446	10.08306389
15	Janice, Galvin	Tool Design	Redmond	47.73951833	-122.0329173	8.278719153
16	Michael, Sullivan	Engineering	Renton	47.39840538	-122.2500079	17.66345101
17	Sharon, Salavaria	Engineering	Renton	47.4411152	-122.0789263	14.15680033
18	David, Bradley	Marketing	Redmond	47.62506938	-122.2405186	4.995004343
19	Kevin, Brown	Marketing	Everett	47.99463964	-122.0550045	24.6387518
20	John, Wood	Marketing	Redmond	47.74428703	-121.9718581	10.42766481

Assignment 8
James Livingstone

Answer #7

Assignment 8
James Livingstone

Answer #8

Assignment 8
Last edit was seconds ago

Add layer   Share   Preview

☑ Assignment8.csv

∨ Styled by Department

📍 Production (179)
📍 Sales (18)
📍 Purchasing (12)
📍 Finance (10)
📍 Information Services (10)
📍 Marketing (9)
📍 Facilities and Maintenance (7)
📍 Engineering (6)
📍 Human Resources (6)
📍 Production Control (6)
📍 Quality Assurance (6)
📍 Shipping and Receiving (6)
📍 Document Control (5)
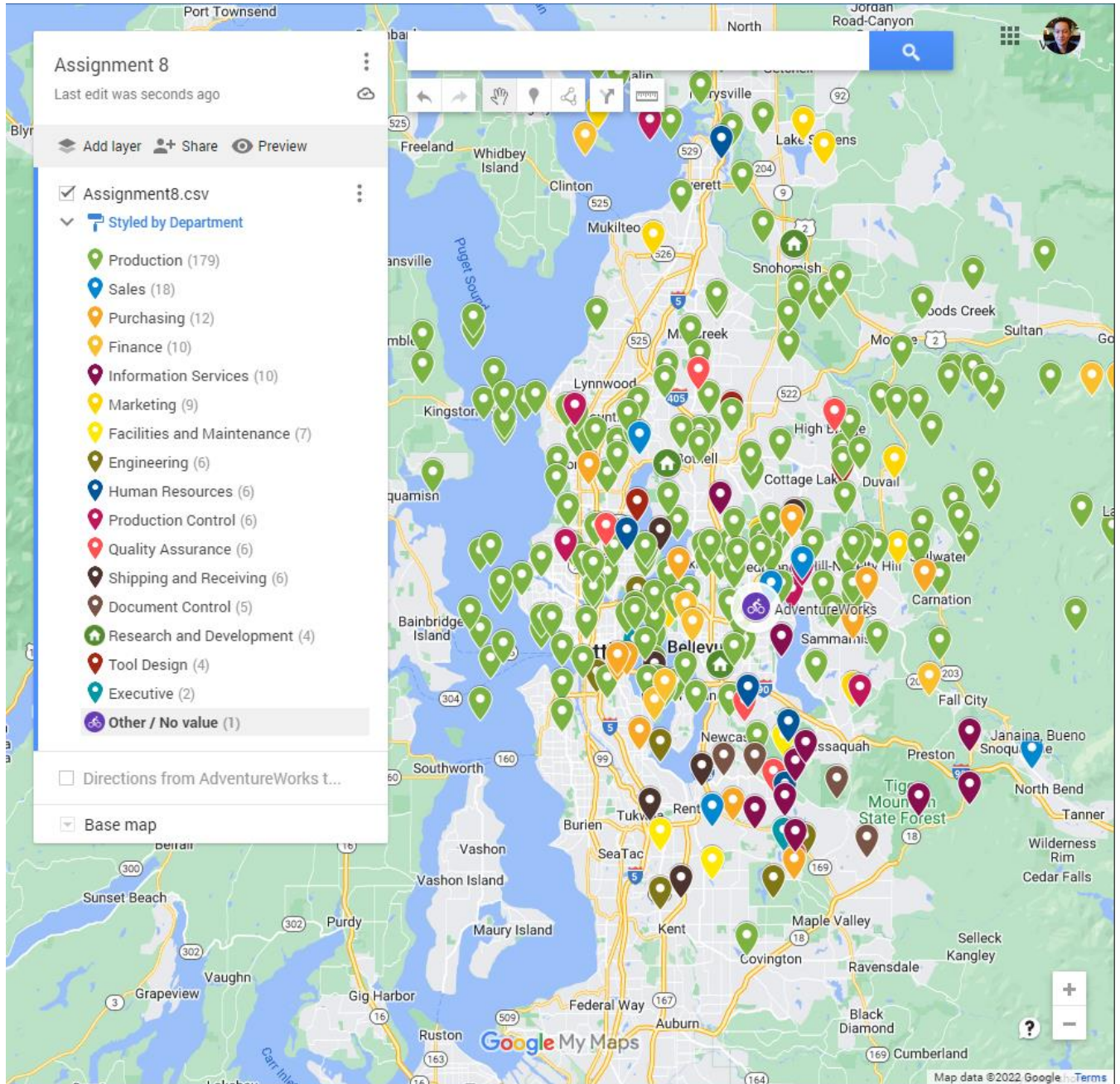📍 Research and Development (4)
📍 Tool Design (4)
📍 Executive (2)
📍 Other / No value (1)

Base map

Assignment 8
James Livingstone

Answer #9

Assignment 8
James Livingstone

Answer #10

Drive 9 mi, 20 minutes

Ⓐ 15010 NE 36th St Building 92, Redmond, WA 98052, USA

Head south
171 ft

↱ Turn right toward NE 36th St
502 ft

↱ Turn right onto NE 36th St
456 ft

↱ Turn right onto 150th Ave NE
0.356 mi

↱ Turn right onto NE 40th St
0.286 mi

↰ Turn left onto the ramp to WA-520 E
0.456 mi

↰ Keep left, follow signs for WA-520 E/Redmond and merge onto WA-520 E
1.77 mi

↱ Take the WA-202/Redmond Way exit
0.431 mi

↱ Turn right onto WA-202 E/Redmond Way
0.411 mi

↱ Slight right onto E Lake Sammamish Pkwy NE Pass by Subway (on the left)
3.49 mi

Continue onto NE Inglewood Hill Rd